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Administration

# Petroleum Supply Monthly

with data for September 2020

November 2020



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## Preface

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The Petroleum Supply Monthly (PSM) is the monthly component of a series of three publications produced by the Office of Petroleum and Biofuels Statistics of the U.S. Energy Information Administration (EIA). The other two components are the Weekly Petroleum Status Report (WPSR) and the Petroleum Supply Annual (PSA). Together these publications present comprehensive petroleum and biofuel supply data on a weekly, monthly and annual basis.

Data presented in the PSM describe the supply and disposition of petroleum products in the United States and major U.S. geographic regions. The data series describe production, imports and exports, inter-Petroleum Administration for Defense (PAD) District movements, and inventories by the primary suppliers of petroleum products in the United States (50 States and the District of Columbia). The reporting universe includes those petroleum sectors in primary supply. Included are: petroleum refiners, motor gasoline blenders, oxygenate producers, operators of natural gas processing plants and fractionators, inter-PAD District transporters, importers, and major inventory holders of crude oil, petroleum products, and biofuels. When aggregated, the data reported by these sectors approximately represent the consumption of petroleum products in the United States.

### Scope of data

The PSM presents statistics for the most current month available as well as year-to-date. In most cases, the statistics are presented for several geographic areas - the United States (50 States and the District of Columbia), five PAD Districts, and 12 Refining Districts. At the U.S. and PAD District levels, the total volume and the daily rate of activities are presented. The statistics are developed from monthly survey forms submitted by respondents to the EIA and from data provided from other sources including federal and state agencies.

### Sections

- U.S. supply and disposition of crude oil, petroleum products, and biofuels
- Regional supply and disposition of crude oil, petroleum products, and biofuels
- Crude oil supply and disposition and production by state
- Natural Gas Processing
- Refinery Operations
- Imports of residual fuel oil by state of entry
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- Imports by country of origin
- Exports
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**Table 1. U.S. Supply, Disposition, and Ending Stocks of Crude Oil and Petroleum Products, September 2020**  
(Thousand Barrels)

Commodity	Supply					Disposition				Ending Stocks
	Field Production	Renewable Fuels and Oxygenate Plant Net Production	Refinery and Blender Net Production	Imports	Adjustments <sup>1</sup>	Stock Change <sup>2</sup>	Refinery and Blender Net Inputs	Exports	Products Supplied <sup>3</sup>	
<b>Crude Oil<sup>4</sup></b>	<b>325,798</b>	<b>--</b>	<b>--</b>	<b>161,926</b>	<b>4,581</b>	<b>-12,030</b>	<b>407,185</b>	<b>97,150</b>	<b>0</b>	<b>1,139,508</b>
<b>Hydrocarbon Gas Liquids</b>	<b>159,266</b>	<b>-578</b>	<b>16,666</b>	<b>5,158</b>	<b>--</b>	<b>16,291</b>	<b>16,082</b>	<b>60,443</b>	<b>87,696</b>	<b>299,055</b>
Natural Gas Liquids	159,266	-578	8,687	4,700	--	17,781	16,082	60,443	77,769	295,084
Ethane	62,940	--	132	--	--	11,287	--	7,054	44,731	72,172
Propane	50,773	--	7,798	3,712	--	5,427	--	36,290	20,566	100,706
Normal Butane	13,782	--	1,492	769	--	1,887	5,361	11,014	-2,219	69,512
Isobutane	13,257	--	-735	216	--	759	6,016	54	5,909	14,066
Natural Gasoline	18,514	-578	--	3	--	-1,579	4,705	6,032	8,781	38,628
Refinery Olefins	--	--	7,979	458	--	-1,490	--	--	9,927	3,971
Ethylene	--	--	18	--	--	0	--	--	18	0
Propylene	--	--	8,091	395	--	-75	--	--	8,561	1,516
Normal Butylene	--	--	-113	63	--	-1,384	--	--	1,334	2,437
Isobutylene	--	--	-17	--	--	-31	--	--	14	18
<b>Other Liquids</b>	<b>--</b>	<b>31,566</b>	<b>--</b>	<b>34,860</b>	<b>3,385</b>	<b>-8,558</b>	<b>67,887</b>	<b>12,023</b>	<b>-1,542</b>	<b>310,718</b>
Hydrogen/Oxygenates/Renewables/Other Hydrocarbons	--	31,568	--	1,334	2,022	-331	32,981	2,273	0	25,180
Hydrogen	--	--	--	--	5,741	--	5,741	--	0	--
Oxygenates (excluding Fuel Ethanol)	--	--	--	--	--	--	--	--	--	--
Renewable Fuels (including Fuel Ethanol)	--	31,568	--	1,315	-3,722	-325	27,212	2,273	0	25,160
Fuel Ethanol <sup>5</sup>	--	27,778	--	438	-1,129	-116	25,355	1,848	0	20,027
Renewable Fuels Except Fuel Ethanol	--	3,790	--	877	-2,593	-209	1,857	426	0	5,133
Other Hydrocarbons	--	--	--	19	3	-6	28	--	0	20
Unfinished Oils	--	--	--	16,705	--	-867	10,771	8,336	-1,535	81,404
Motor Gasoline Blend.Comp. (MGBC) <sup>5</sup>	--	-2	--	16,821	1,363	-7,356	24,124	1,414	0	204,108
Reformulated	--	-1	--	5,775	7,207	80	12,893	8	0	48,267
Conventional	--	-1	--	11,046	-5,844	-7,436	11,231	1,406	0	155,841
Aviation Gasoline Blend. Comp.	--	--	--	--	--	-4	11	--	-7	26
<b>Finished Petroleum Products</b>	<b>--</b>	<b>83</b>	<b>502,863</b>	<b>24,358</b>	<b>2,243</b>	<b>-15,194</b>	<b>--</b>	<b>81,677</b>	<b>463,065</b>	<b>314,898</b>
Finished Motor Gasoline	--	83	272,714	4,546	-234	-2,715	--	23,460	256,364	22,436
Reformulated	--	--	83,986	--	-7,157	-2	--	--	76,831	45
Conventional	--	83	188,728	4,546	6,923	-2,713	--	23,460	179,533	22,391
Finished Aviation Gasoline	--	--	338	39	--	11	--	--	366	1,120
Kerosene-Type Jet Fuel	--	--	23,985	5,060	--	44	--	1,363	27,638	40,135
Kerosene	--	--	593	--	--	-75	--	441	227	2,285
Distillate Fuel Oil <sup>5</sup>	--	--	134,796	5,394	2,477	-7,196	--	35,318	114,545	171,718
15 ppm sulfur and under	--	--	130,900	5,358	2,477	-6,780	--	31,464	114,051	159,010
Greater than 15 ppm to 500 ppm sulfur	--	--	2,709	34	--	-778	--	3,121	400	3,472
Greater than 500 ppm sulfur	--	--	1,187	2	--	362	--	734	93	9,236
Residual Fuel Oil	--	--	4,952	6,184	--	-2,709	--	4,231	9,614	32,061
Less than 0.31 percent sulfur	--	--	488	181	--	-459	--	NA	NA	3,466
0.31 to 1.00 percent sulfur	--	--	2,096	967	--	1,152	--	NA	NA	7,450
Greater than 1.00 percent sulfur	--	--	2,368	5,036	--	-3,402	--	NA	NA	21,145
Petrochemical Feedstocks	--	--	7,968	360	--	100	--	--	8,228	2,817
Naphtha for Petro. Feed. Use	--	--	4,983	292	--	145	--	--	5,130	2,066
Other Oils for Petro. Feed. Use	--	--	2,985	68	--	-45	--	--	3,098	751
Special Naphthas	--	--	1,031	155	--	-16	--	--	1,202	1,028
Lubricants	--	--	4,469	986	--	-731	--	3,098	3,088	9,502
Waxes	--	--	143	130	--	-2	--	145	130	489
Petroleum Coke	--	--	21,900	265	--	478	--	12,864	8,823	7,261
Marketable	--	--	16,180	265	--	478	--	12,864	3,103	7,261
Catalyst	--	--	5,720	--	--	--	--	--	5,720	--
Asphalt and Road Oil	--	--	9,809	1,238	--	-2,330	--	720	12,657	23,448
Still Gas	--	--	17,870	--	--	--	--	--	17,870	--
Miscellaneous Products	--	--	2,295	1	--	-53	--	35	2,314	598
<b>Total</b>	<b>485,064</b>	<b>31,071</b>	<b>519,529</b>	<b>226,302</b>	<b>10,209</b>	<b>-19,491</b>	<b>491,154</b>	<b>251,293</b>	<b>549,219</b>	<b>2,064,179</b>

-- = Not Applicable.

-- = No Data Reported.

NA = Not Available.

<sup>1</sup> Includes an adjustment for crude oil, previously referred to as 'Unaccounted For Crude Oil.' Also included is an adjustment for motor gasoline blending components, fuel ethanol, and distillate fuel oil. See Appendix B, Note 2C for a detailed explanation of these adjustments.

<sup>2</sup> A negative number indicates a decrease in stocks and a positive number indicates an increase in stocks. Stock change for crude oil excludes lease stocks beginning with January 2005 (see explanatory notes). Product supplied is equal to field production, plus renewable fuels and oxygenate plant net production, plus refinery and blender net production, plus imports, plus net receipts, plus adjustments, minus stock change, minus refinery and blender net inputs, minus exports.

<sup>4</sup> Includes value for the Strategic Petroleum Reserve. See Table 25 for the breakout of Commercial Crude Oil.

<sup>5</sup> Excludes stocks located in the "Northeast Heating Oil Reserve", "Northeast Regional Refined Petroleum Product Reserve", and "State of New York's Strategic Fuels Reserve Program". For details see Appendix D.

Notes: Totals may not equal sum of components due to independent rounding. Domestic crude oil field production are estimates.

Sources: Energy Information Administration (EIA) Forms EIA-22M "Monthly Biodiesel Production Survey", EIA-810, "Monthly Refinery Report," EIA-812, "Monthly Product Pipeline Report," EIA-813, "Monthly Crude Oil Report," EIA-814, "Monthly Imports Report," EIA-815, "Monthly Bulk Terminal Report," EIA-816, "Monthly Natural Gas Liquids Report," and EIA-819, "Monthly Oxygenate Report." Domestic crude oil field production estimates based on Form EIA-914, "Monthly Crude Oil and Lease Condensate, and Natural Gas Production Report," and data from State conservation agencies, the U.S. Department of Interior, and the Bureau of Ocean Energy Management. Export data from the U.S. Census Bureau and EIA estimates.

**Table 2. U.S. Year-to-Date Supply, Disposition, and Ending Stocks of Crude Oil and Petroleum Products, January-September 2020**  
(Thousand Barrels)

Commodity	Supply					Disposition				
	Field Production	Renewable Fuels and Oxygenate Plant Net Production	Refinery and Blender Net Production	Imports	Adjustments <sup>1</sup>	Stock Change <sup>2</sup>	Refinery and Blender Net Inputs	Exports	Products Supplied <sup>3</sup>	Ending Stocks
<b>Crude Oil<sup>4</sup></b>	<b>3,137,753</b>	<b>--</b>	<b>--</b>	<b>1,642,521</b>	<b>99,145</b>	<b>71,604</b>	<b>3,922,905</b>	<b>884,910</b>	<b>0</b>	<b>1,139,508</b>
<b>Hydrocarbon Gas Liquids</b>	<b>1,408,146</b>	<b>-4,822</b>	<b>166,369</b>	<b>40,277</b>	<b>--</b>	<b>87,320</b>	<b>130,953</b>	<b>561,960</b>	<b>829,737</b>	<b>299,055</b>
Natural Gas Liquids	1,408,146	-4,822	97,124	36,147	--	86,315	130,953	561,960	757,367	295,084
Ethane	546,803	--	1,755	--	--	14,773	--	76,869	456,916	72,172
Propane	457,853	--	72,085	27,983	--	21,094	--	331,064	205,763	100,706
Normal Butane	125,965	--	28,343	6,094	--	29,857	39,957	96,281	-5,693	69,512
Isobutane	117,557	--	-5,059	2,016	--	2,861	53,910	827	56,916	14,066
Natural Gasoline	159,968	-4,822	--	54	--	17,730	37,086	56,919	43,465	38,628
Refinery Olefins	--	--	69,245	4,130	--	1,005	--	--	72,370	3,971
Ethylene	--	--	169	--	--	0	--	--	169	0
Propylene	--	--	70,245	3,501	--	-157	--	--	73,903	1,516
Normal Butylene	--	--	-1,106	629	--	1,164	--	--	-1,641	2,437
Isobutylene	--	--	-63	--	--	-2	--	--	-61	18
<b>Other Liquids</b>	<b>--</b>	<b>274,019</b>	<b>--</b>	<b>295,027</b>	<b>53,300</b>	<b>-34,396</b>	<b>517,211</b>	<b>116,117</b>	<b>23,415</b>	<b>310,718</b>
Hydrogen/Oxygenates/Renewables/Other Hydrocarbons	--	274,040	--	10,265	30,433	-2,638	290,692	26,684	0	25,180
Hydrogen	--	--	--	--	56,562	--	56,562	--	0	--
Oxygenates (excluding Fuel Ethanol)	--	--	--	--	--	--	--	--	--	--
Renewable Fuels (including Fuel Ethanol)	--	274,040	--	10,192	-26,208	-2,648	233,988	26,684	0	25,160
Fuel Ethanol <sup>5</sup>	--	242,170	--	2,227	-4,622	-2,322	218,543	23,554	0	20,027
Renewable Fuels Except Fuel Ethanol	--	31,870	--	7,965	-21,586	-326	15,445	3,130	0	5,133
Other Hydrocarbons	--	--	--	73	79	10	142	--	0	20
Unfinished Oils	--	--	--	154,515	--	-7,997	66,647	72,297	23,568	81,404
Motor Gasoline Blend.Comp. (MGB) <sup>5</sup>	--	-21	--	130,247	22,868	-23,745	159,703	17,136	0	204,108
Reformulated	--	-4	--	45,079	57,654	-4,599	106,760	568	0	48,267
Conventional	--	-17	--	85,168	-34,786	-19,146	52,943	16,568	0	155,841
Aviation Gasoline Blend. Comp.	--	--	--	--	--	-16	169	--	-153	26
<b>Finished Petroleum Products</b>	<b>--</b>	<b>645</b>	<b>4,657,714</b>	<b>201,341</b>	<b>1,618</b>	<b>23,048</b>	<b>--</b>	<b>780,407</b>	<b>4,057,863</b>	<b>314,898</b>
Finished Motor Gasoline	--	645	2,372,645	30,998	-18,246	-3,538	--	187,413	2,202,167	22,436
Reformulated	--	--	726,561	--	-51,057	4	--	--	675,500	45
Conventional	--	645	1,646,084	30,998	32,811	-3,542	--	187,413	1,526,667	22,391
Finished Aviation Gasoline	--	--	2,757	210	--	18	--	--	2,949	1,120
Kerosene-Type Jet Fuel	--	--	280,415	41,628	--	-318	--	28,466	293,895	40,135
Kerosene	--	--	2,837	40	--	-570	--	961	2,486	2,285
Distillate Fuel Oil <sup>5</sup>	--	--	1,324,928	47,017	19,863	31,732	--	339,075	1,021,002	171,718
15 ppm sulfur and under	--	--	1,260,085	45,548	19,863	34,312	--	283,261	1,007,923	159,010
Greater than 15 ppm to 500 ppm sulfur	--	--	32,486	1,106	--	-970	--	29,971	4,591	3,472
Greater than 500 ppm sulfur	--	--	32,357	363	--	-1,610	--	25,842	8,488	9,236
Residual Fuel Oil	--	--	55,567	46,472	--	1,157	--	42,312	58,570	32,061
Less than 0.31 percent sulfur	--	--	9,466	1,679	--	-335	--	NA	NA	3,466
0.31 to 1.00 percent sulfur	--	--	19,023	9,907	--	2,024	--	NA	NA	7,450
Greater than 1.00 percent sulfur	--	--	27,078	34,886	--	-524	--	NA	NA	21,145
Petrochemical Feedstocks	--	--	71,921	5,478	--	-337	--	--	77,736	2,817
Naphtha for Petro. Feed. Use	--	--	45,449	4,567	--	-133	--	--	50,149	2,066
Other Oils for Petro. Feed. Use	--	--	26,472	911	--	-204	--	--	27,587	751
Special Naphthas	--	--	8,595	3,600	--	-199	--	--	12,394	1,028
Lubricants	--	--	39,837	9,281	--	-3,184	--	25,667	26,635	9,502
Waxes	--	--	944	1,277	--	-237	--	1,188	1,270	489
Petroleum Coke	--	--	214,563	2,715	--	-1,798	--	148,488	70,588	7,261
Marketable	--	--	163,048	2,715	--	-1,798	--	148,488	19,073	7,261
Catalyst	--	--	51,515	--	--	--	--	--	51,515	--
Asphalt and Road Oil	--	--	90,152	12,616	--	393	--	6,464	95,911	23,448
Still Gas	--	--	169,912	--	--	--	--	--	169,912	--
Miscellaneous Products	--	--	22,641	9	--	-71	--	373	22,348	598
<b>Total</b>	<b>4,545,899</b>	<b>269,842</b>	<b>4,824,083</b>	<b>2,179,166</b>	<b>154,063</b>	<b>147,576</b>	<b>4,571,069</b>	<b>2,343,393</b>	<b>4,911,015</b>	<b>2,064,179</b>

-- = Not Applicable.

NA = No Data Reported.

NA = Not Available.

<sup>1</sup> Includes an adjustment for crude oil, previously referred to as 'Unaccounted For Crude Oil.' Also included is an adjustment for motor gasoline blending components, fuel ethanol, and distillate fuel oil. See Appendix B, Note 2C for a detailed explanation of these adjustments.

<sup>2</sup> A negative number indicates a decrease in stocks and a positive number indicates an increase in stocks. Stock change for crude oil excludes lease stocks beginning with January 2005 (see explanatory notes).

<sup>3</sup> Product supplied is equal to field production, plus renewable fuels and oxygenate plant net production, plus refinery and blender net production, plus imports, plus net receipts, plus adjustments, minus stock change, minus refinery and blender net inputs, minus exports.

<sup>4</sup> Includes value for the Strategic Petroleum Reserve. See Table 25 for the breakout of Commercial Crude Oil.

<sup>5</sup> Excludes stocks located in the "Northeast Heating Oil Reserve", "Northeast Regional Refined Petroleum Product Reserve", and "State of New York's Strategic Fuels Reserve Program". For details see Appendix D.

Notes: Totals may not equal sum of components due to independent rounding. Domestic crude oil field production are estimates.

Sources: Energy Information Administration (EIA) Forms EIA-22M "Monthly Biodiesel Production Survey", EIA-810, "Monthly Refinery Report," EIA-812, "Monthly Product Pipeline Report," EIA-813, "Monthly Crude Oil Report," EIA-814, "Monthly Imports Report," EIA-815, "Monthly Bulk Terminal Report," EIA-816, "Monthly Natural Gas Liquids Report," and EIA-819, "Monthly Oxygenate Report." Domestic crude oil field production estimates based on Form EIA-914, "Monthly Crude Oil and Lease Condensate, and Natural Gas Production Report," and data from State conservation agencies, the U.S. Department of Interior, and the Bureau of Ocean Energy Management. Export data from the U.S. Census Bureau and EIA estimates.

**Table 3. U.S. Daily Average Supply and Disposition of Crude Oil and Petroleum Products, September 2020**  
(Thousand Barrels per Day)

Commodity	Supply					Disposition			
	Field Production	Renewable Fuels and Oxygenate Plant Net Production	Refinery and Blender Net Production	Imports	Adjustments <sup>1</sup>	Stock Change <sup>2</sup>	Refinery and Blender Net Inputs	Exports	Products Supplied <sup>3</sup>
<b>Crude Oil<sup>4</sup></b> .....	<b>10,860</b>	--	--	<b>5,398</b>	<b>153</b>	<b>-401</b>	<b>13,573</b>	<b>3,238</b>	<b>0</b>
<b>Hydrocarbon Gas Liquids</b> .....	<b>5,309</b>	<b>-19</b>	<b>556</b>	<b>172</b>	--	<b>543</b>	<b>536</b>	<b>2,015</b>	<b>2,923</b>
Natural Gas Liquids .....	5,309	-19	290	157	--	593	536	2,015	2,592
Ethane .....	2,098	--	4	--	--	376	--	235	1,491
Propane .....	1,692	--	260	124	--	181	--	1,210	686
Normal Butane .....	459	--	50	26	--	63	179	367	-74
Isobutane .....	442	--	-25	7	--	25	201	2	197
Natural Gasoline .....	617	-19	--	0	--	-53	157	201	293
Refinery Olefins .....	--	--	266	15	--	-50	--	--	331
Ethylene .....	--	--	1	--	--	0	--	--	1
Propylene .....	--	--	270	13	--	-3	--	--	285
Normal Butylene .....	--	--	-4	2	--	-46	--	--	44
Isobutylene .....	--	--	-1	--	--	-1	--	--	0
<b>Other Liquids</b> .....	<b>--</b>	<b>1,052</b>	<b>--</b>	<b>1,162</b>	<b>113</b>	<b>-285</b>	<b>2,263</b>	<b>401</b>	<b>-51</b>
Hydrogen/Oxygenates/Renewables/Other Hydrocarbons .....	--	1,052	--	44	67	-11	1,099	76	0
Hydrogen .....	--	--	--	--	191	--	191	--	0
Oxygenates (excluding Fuel Ethanol) .....	--	--	--	--	--	--	--	--	--
Renewable Fuels (including Fuel Ethanol) .....	--	1,052	--	44	-124	-11	907	76	0
Fuel Ethanol <sup>5</sup> .....	--	926	--	15	-38	-4	845	62	0
Renewable Fuels Except Fuel Ethanol .....	--	126	--	29	-86	-7	62	14	0
Other Hydrocarbons .....	--	--	--	1	0	0	1	--	0
Unfinished Oils .....	--	--	--	557	--	-29	359	278	-51
Motor Gasoline Blend.Comp. (MGBC) <sup>5</sup> .....	--	0	--	561	45	-245	804	47	0
Reformulated .....	--	0	--	193	240	3	430	0	0
Conventional .....	--	0	--	368	-195	-248	374	47	0
Aviation Gasoline Blend. Comp. ....	--	--	--	--	--	0	0	--	0
<b>Finished Petroleum Products</b> .....	<b>--</b>	<b>3</b>	<b>16,762</b>	<b>812</b>	<b>75</b>	<b>-506</b>	<b>--</b>	<b>2,723</b>	<b>15,435</b>
Finished Motor Gasoline .....	--	3	9,090	152	-8	-91	--	782	8,545
Reformulated .....	--	--	2,800	--	-239	0	--	--	2,561
Conventional .....	--	3	6,291	152	231	-90	--	782	5,984
Finished Aviation Gasoline .....	--	--	11	1	--	0	--	--	12
Kerosene-Type Jet Fuel .....	--	--	800	169	--	1	--	45	921
Kerosene .....	--	--	20	--	--	-3	--	15	8
Distillate Fuel Oil <sup>5</sup> .....	--	--	4,493	180	83	-240	--	1,177	3,818
15 ppm sulfur and under .....	--	--	4,363	179	83	-226	--	1,049	3,802
Greater than 15 ppm to 500 ppm sulfur .....	--	--	90	1	--	-26	--	104	13
Greater than 500 ppm sulfur .....	--	--	40	0	--	12	--	24	3
Residual Fuel Oil .....	--	--	165	206	--	-90	--	141	320
Less than 0.31 percent sulfur .....	--	--	16	6	--	-15	--	NA	NA
0.31 to 1.00 percent sulfur .....	--	--	70	32	--	38	--	NA	NA
Greater than 1.00 percent sulfur .....	--	--	79	168	--	-113	--	NA	NA
Petrochemical Feedstocks .....	--	--	266	12	--	3	--	--	274
Naphtha for Petro. Feed. Use .....	--	--	166	10	--	5	--	--	171
Other Oils for Petro. Feed. Use .....	--	--	100	2	--	-2	--	--	103
Special Naphthas .....	--	--	34	5	--	-1	--	--	40
Lubricants .....	--	--	149	33	--	-24	--	103	103
Waxes .....	--	--	5	4	--	0	--	5	4
Petroleum Coke .....	--	--	730	9	--	16	--	429	294
Marketable .....	--	--	539	9	--	16	--	429	103
Catalyst .....	--	--	191	--	--	--	--	--	191
Asphalt and Road Oil .....	--	--	327	41	--	-78	--	24	422
Still Gas .....	--	--	596	--	--	--	--	--	596
Miscellaneous Products .....	--	--	77	0	--	-2	--	1	77
<b>Total</b> .....	<b>16,169</b>	<b>1,036</b>	<b>17,318</b>	<b>7,543</b>	<b>340</b>	<b>-650</b>	<b>16,372</b>	<b>8,376</b>	<b>18,307</b>

-- = Not Applicable.

NA = No Data Reported.

NA = Not Available.

<sup>1</sup> Includes an adjustment for crude oil, previously referred to as 'Unaccounted For Crude Oil.' Also included is an adjustment for motor gasoline blending components, fuel ethanol, and distillate fuel oil. See Appendix B, Note 2C for a detailed explanation of these adjustments.

<sup>2</sup> A negative number indicates a decrease in stocks and a positive number indicates an increase in stocks. Stock change for crude oil excludes lease stocks beginning with January 2005 (see explanatory notes).

<sup>3</sup> Product supplied is equal to field production, plus renewable fuels and oxygenate plant net production, plus refinery and blender net production, plus imports, plus net receipts, plus adjustments, minus stock change, minus refinery and blender net inputs, minus exports.

<sup>4</sup> Includes value for the Strategic Petroleum Reserve. See Table 25 for the breakout of Commercial Crude Oil.

<sup>5</sup> Excludes stocks located in the "Northeast Heating Oil Reserve", "Northeast Regional Refined Petroleum Product Reserve", and "State of New York's Strategic Fuels Reserve Program". For details see Appendix D.

Notes: Totals may not equal sum of components due to independent rounding. Domestic crude oil field production are estimates.

Sources: Energy Information Administration (EIA) Forms EIA-22M "Monthly Biodiesel Production Survey", EIA-810, "Monthly Refinery Report," EIA-812, "Monthly Product Pipeline Report," EIA-813, "Monthly Crude Oil Report," EIA-814, "Monthly Imports Report," EIA-815, "Monthly Bulk Terminal Report," EIA-816, "Monthly Natural Gas Liquids Report," and EIA-819, "Monthly Oxygenate Report." Domestic crude oil field production estimates based on Form EIA-914, "Monthly Crude Oil and Lease Condensate, and Natural Gas Production Report," and data from State conservation agencies, the U.S. Department of Interior, and the Bureau of Ocean Energy Management. Export data from the U.S. Census Bureau and EIA estimates.



**Table 4. U.S. Year-to-Date Daily Average Supply and Disposition of Crude Oil and Petroleum Products, January-September 2020**  
(Thousand Barrels per Day)

Commodity	Supply					Disposition			
	Field Production	Renewable Fuels and Oxygenate Plant Net Production	Refinery and Blender Net Production	Imports	Adjustments <sup>1</sup>	Stock Change <sup>2</sup>	Refinery and Blender Net Inputs	Exports	Products Supplied <sup>3</sup>
<b>Crude Oil<sup>4</sup></b> .....	<b>11,452</b>	<b>--</b>	<b>--</b>	<b>5,995</b>	<b>362</b>	<b>261</b>	<b>14,317</b>	<b>3,230</b>	<b>0</b>
<b>Hydrocarbon Gas Liquids</b> .....	<b>5,139</b>	<b>-18</b>	<b>607</b>	<b>147</b>	<b>--</b>	<b>319</b>	<b>478</b>	<b>2,051</b>	<b>3,028</b>
Natural Gas Liquids .....	5,139	-18	354	132	--	315	478	2,051	2,764
Ethane .....	1,996	--	6	--	--	54	--	281	1,668
Propane .....	1,671	--	263	102	--	77	--	1,208	751
Normal Butane .....	460	--	103	22	--	109	146	351	-21
Isobutane .....	429	--	-18	7	--	10	197	3	208
Natural Gasoline .....	584	-18	--	0	--	65	135	208	159
Refinery Olefins .....	--	--	253	15	--	4	--	--	264
Ethylene .....	--	--	1	--	--	0	--	--	1
Propylene .....	--	--	256	13	--	-1	--	--	270
Normal Butylene .....	--	--	-4	2	--	4	--	--	-6
Isobutylene .....	--	--	0	--	--	0	--	--	0
<b>Other Liquids</b> .....	<b>--</b>	<b>1,000</b>	<b>--</b>	<b>1,077</b>	<b>195</b>	<b>-126</b>	<b>1,888</b>	<b>424</b>	<b>85</b>
Hydrogen/Oxygenates/Renewables/Other Hydrocarbons .....	--	1,000	--	37	111	-10	1,061	97	0
Hydrogen .....	--	--	--	--	206	--	206	--	0
Oxygenates (excluding Fuel Ethanol) .....	--	--	--	--	--	--	--	--	--
Renewable Fuels (including Fuel Ethanol) .....	--	1,000	--	37	-96	-10	854	97	0
Fuel Ethanol <sup>5</sup> .....	--	884	--	8	-17	-8	798	86	0
Renewable Fuels Except Fuel Ethanol .....	--	116	--	29	-79	-1	56	11	0
Other Hydrocarbons .....	--	--	--	0	0	0	1	--	0
Unfinished Oils .....	--	--	--	564	--	-29	243	264	86
Motor Gasoline Blend.Comp. (MGBC) <sup>5</sup> .....	--	0	--	475	83	-87	583	63	0
Reformulated .....	--	0	--	165	210	-17	390	2	0
Conventional .....	--	0	--	311	-127	-70	193	60	0
Aviation Gasoline Blend. Comp. ....	--	--	--	--	--	0	1	--	-1
<b>Finished Petroleum Products</b> .....	<b>--</b>	<b>2</b>	<b>16,999</b>	<b>735</b>	<b>6</b>	<b>84</b>	<b>--</b>	<b>2,848</b>	<b>14,810</b>
Finished Motor Gasoline .....	--	2	8,659	113	-67	-13	--	684	8,037
Reformulated .....	--	--	2,652	--	-186	0	--	--	2,465
Conventional .....	--	2	6,008	113	120	-13	--	684	5,572
Finished Aviation Gasoline .....	--	--	10	1	--	0	--	--	11
Kerosene-Type Jet Fuel .....	--	--	1,023	152	--	-1	--	104	1,073
Kerosene .....	--	--	10	0	--	-2	--	4	9
Distillate Fuel Oil <sup>5</sup> .....	--	--	4,836	172	72	116	--	1,237	3,726
15 ppm sulfur and under .....	--	--	4,599	166	72	125	--	1,034	3,679
Greater than 15 ppm to 500 ppm sulfur .....	--	--	119	4	--	-4	--	109	17
Greater than 500 ppm sulfur .....	--	--	118	1	--	-6	--	94	31
Residual Fuel Oil .....	--	--	203	170	--	4	--	154	214
Less than 0.31 percent sulfur .....	--	--	35	6	--	-1	--	NA	NA
0.31 to 1.00 percent sulfur .....	--	--	69	36	--	7	--	NA	NA
Greater than 1.00 percent sulfur .....	--	--	99	127	--	-2	--	NA	NA
Petrochemical Feedstocks .....	--	--	262	20	--	-1	--	--	284
Naphtha for Petro. Feed. Use .....	--	--	166	17	--	0	--	--	183
Other Oils for Petro. Feed. Use .....	--	--	97	3	--	-1	--	--	101
Special Naphthas .....	--	--	31	13	--	-1	--	--	45
Lubricants .....	--	--	145	34	--	-12	--	94	97
Waxes .....	--	--	3	5	--	-1	--	4	5
Petroleum Coke .....	--	--	783	10	--	-7	--	542	258
Marketable .....	--	--	595	10	--	-7	--	542	70
Catalyst .....	--	--	188	--	--	--	--	--	188
Asphalt and Road Oil .....	--	--	329	46	--	1	--	24	350
Still Gas .....	--	--	620	--	--	--	--	--	620
Miscellaneous Products .....	--	--	83	0	--	0	--	1	82
<b>Total</b> .....	<b>16,591</b>	<b>985</b>	<b>17,606</b>	<b>7,953</b>	<b>562</b>	<b>539</b>	<b>16,683</b>	<b>8,553</b>	<b>17,923</b>

-- = Not Applicable.

- = No Data Reported.

NA = Not Available.

<sup>1</sup> Includes an adjustment for crude oil, previously referred to as 'Unaccounted For Crude Oil.' Also included is an adjustment for motor gasoline blending components, fuel ethanol, and distillate fuel oil. See Appendix B, Note 2C for a detailed explanation of these adjustments.

<sup>2</sup> A negative number indicates a decrease in stocks and a positive number indicates an increase in stocks. Stock change for crude oil excludes lease stocks beginning with January 2005 (see explanatory notes).

<sup>3</sup> Product supplied is equal to field production, plus renewable fuels and oxygenate plant net production, plus refinery and blender net production, plus imports, plus net receipts, plus adjustments, minus stock change, minus refinery and blender net inputs, minus exports.

<sup>4</sup> Includes value for the Strategic Petroleum Reserve. See Table 25 for the breakout of Commercial Crude Oil.

<sup>5</sup> Excludes stocks located in the "Northeast Heating Oil Reserve", "Northeast Regional Refined Petroleum Product Reserve", and "State of New York's Strategic Fuels Reserve Program". For details see Appendix D.

Notes: Totals may not equal sum of components due to independent rounding. Domestic crude oil field production are estimates.

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**Table 5. PAD District 1 - Supply, Disposition, and Ending Stocks of Crude Oil and Petroleum Products, September 2020**  
(Thousand Barrels)

Commodity	Supply						Disposition				
	Field Production	Renewable Fuels and Oxygenate Plant Net Production	Refinery and Blender Net Production	Imports (PADD of Entry) <sup>1</sup>	Net Receipts <sup>2</sup>	Adjustments <sup>3</sup>	Stock Change <sup>4</sup>	Refinery and Blender Net Inputs	Exports	Products Supplied <sup>5</sup>	Ending Stocks
<b>Crude Oil</b>	<b>2,268</b>	<b>--</b>	<b>--</b>	<b>11,956</b>	<b>3,653</b>	<b>117</b>	<b>-917</b>	<b>16,451</b>	<b>2,459</b>	<b>0</b>	<b>11,148</b>
<b>Hydrocarbon Gas Liquids</b>	<b>18,973</b>	<b>-10</b>	<b>396</b>	<b>720</b>	<b>1,752</b>	<b>--</b>	<b>445</b>	<b>1,407</b>	<b>8,020</b>	<b>11,959</b>	<b>13,574</b>
Natural Gas Liquids	18,973	-10	-82	451	1,566	--	326	1,407	8,020	11,145	13,261
Ethane	7,302	--	--	--	-5,138	--	-98	--	1,697	565	705
Propane	6,672	--	353	369	5,950	--	1,079	--	4,450	7,815	9,584
Normal Butane	2,145	--	-301	32	1,390	--	-730	1,032	1,761	1,203	2,424
Isobutane	898	--	-134	50	-322	--	34	246	0	212	223
Natural Gasoline	1,956	-10	--	--	-314	--	41	129	112	1,350	325
Refinery Olefins	--	--	478	269	186	--	119	--	--	814	313
Ethylene	--	--	13	--	--	--	--	--	--	13	--
Propylene	--	--	487	269	186	--	3	--	--	939	119
Normal Butylene	--	--	-41	--	--	--	147	--	--	-188	176
Isobutylene	--	--	19	--	--	--	-31	--	--	50	18
<b>Other Liquids</b>	<b>--</b>	<b>527</b>	<b>--</b>	<b>17,912</b>	<b>58,524</b>	<b>3,153</b>	<b>644</b>	<b>79,689</b>	<b>91</b>	<b>-307</b>	<b>69,974</b>
Hydrogen/Oxygenates/Renewables/Other Hydrocarbons	--	527	--	71	10,816	-1,569	279	9,512	55	0	7,647
Hydrogen	--	--	--	--	--	94	--	94	--	0	--
Oxygenates (excluding Fuel Ethanol)	--	--	--	--	--	--	--	--	--	--	--
Renewable Fuels (including Fuel Ethanol)	--	527	--	71	10,816	-1,663	279	9,418	55	0	7,647
Fuel Ethanol	--	342	--	--	10,679	-1,409	421	9,138	53	0	6,529
Renewable Fuels Except Fuel Ethanol	--	185	--	71	137	-253	-142	280	2	0	1,118
Other Hydrocarbons	--	--	--	--	--	--	--	--	--	--	--
Unfinished Oils	--	--	--	3,160	-27	--	-82	3,489	33	-307	3,788
Motor Gasoline Blend.Comp. (MGBC)	--	--	--	14,681	47,735	4,722	447	66,688	3	0	58,539
Reformulated	--	--	--	5,775	6,221	2,152	-670	14,818	0	0	19,194
Conventional	--	--	--	8,906	41,514	2,569	1,117	51,870	2	0	39,345
Aviation Gasoline Blend. Comp.	--	--	--	--	--	--	--	--	--	--	--
<b>Finished Petroleum Products</b>	<b>--</b>	<b>--</b>	<b>98,300</b>	<b>11,316</b>	<b>30,130</b>	<b>-3,059</b>	<b>-4,806</b>	<b>--</b>	<b>2,441</b>	<b>139,052</b>	<b>94,518</b>
Finished Motor Gasoline	--	--	88,542	3,317	2,817	-3,312	-751	--	392	91,723	3,050
Reformulated	--	--	34,004	--	--	-2,324	-2	--	--	31,682	29
Conventional	--	--	54,538	3,317	2,817	-988	-749	--	392	60,041	3,021
Finished Aviation Gasoline	--	--	--	1	70	--	-28	--	--	99	231
Kerosene-Type Jet Fuel	--	--	525	1,788	5,380	--	-417	--	2	8,108	9,405
Kerosene	--	--	211	--	78	--	-69	--	2	356	1,957
Distillate Fuel Oil <sup>6</sup>	--	--	4,896	4,610	20,181	253	-2,325	--	592	31,674	63,062
15 ppm sulfur and under	--	--	4,939	4,576	19,626	253	-2,267	--	9	31,653	58,682
Greater than 15 ppm to 500 ppm sulfur	--	--	31	34	--	--	-311	--	581	-205	1,351
Greater than 500 ppm sulfur	--	--	-74	--	555	--	253	--	2	226	3,029
Residual Fuel Oil	--	--	1,017	789	-297	--	-745	--	395	1,859	8,843
Less than 0.31 percent sulfur	--	--	-9	--	--	--	83	--	NA	NA	1,083
0.31 to 1.00 percent sulfur	--	--	817	215	-297	--	-100	--	NA	NA	2,730
Greater than 1.00 percent sulfur	--	--	209	574	--	--	-728	--	NA	NA	5,030
Petrochemical Feedstocks	--	--	--	--	100	--	--	--	--	100	--
Naphtha for Petro. Feed. Use	--	--	--	--	100	--	--	--	--	100	--
Other Oils for Petro. Feed. Use	--	--	--	--	--	--	--	--	--	--	--
Special Naphthas	--	--	22	--	--	--	-2	--	--	24	32
Lubricants	--	--	379	103	445	--	4	--	152	771	1,119
Waxes	--	--	-15	63	--	--	7	--	75	-34	246
Petroleum Coke	--	--	650	4	421	--	--	--	667	408	--
Marketable	--	--	213	4	421	--	--	--	667	-29	--
Catalyst	--	--	437	--	--	--	--	--	--	437	--
Asphalt and Road Oil	--	--	1,128	641	899	--	-479	--	151	2,996	6,521
Still Gas	--	--	881	--	--	--	--	--	--	881	--
Miscellaneous Products	--	--	64	--	36	--	-1	--	14	87	52
<b>Total</b>	<b>21,241</b>	<b>517</b>	<b>98,696</b>	<b>41,904</b>	<b>94,058</b>	<b>211</b>	<b>-4,634</b>	<b>97,547</b>	<b>13,011</b>	<b>150,703</b>	<b>189,214</b>

-- = Not Applicable.

NA = No Data Reported.

NA = Not Available.

<sup>1</sup> Represents the PAD District in which the material entered the United States and not necessarily where the crude oil or product is processed and/or consumed.

<sup>2</sup> Net receipts equal gross receipts minus gross shipments by pipeline, tanker, and barge. Receipts and shipments by rail are included for crude oil, propane, normal butane, isobutane, propylene, ethanol, biodiesel, marketable petroleum coke, and asphalt and road oil.

<sup>3</sup> Includes an adjustment for crude oil, previously referred to as 'Unaccounted For Crude Oil.' Also included is an adjustment for motor gasoline blending components, fuel ethanol, and distillate fuel oil. See Appendix B, Note 2C for a detailed explanation of these adjustments.

<sup>4</sup> A negative number indicates a decrease in stocks and a positive number indicates an increase in stocks. Stock change for crude oil excludes lease stocks beginning with January 2005 (see explanatory notes).

<sup>5</sup> Product supplied is equal to field production, plus renewable fuels and oxygenate plant net production, plus refinery and blender net production, plus imports, plus net receipts, plus adjustments, minus stock change, minus refinery and blender net inputs, minus exports.

<sup>6</sup> Excludes stocks located in the "Northeast Heating Oil Reserve", "Northeast Regional Refined Petroleum Product Reserve", and "State of New York's Strategic Fuels Reserve Program". For details see Appendix D.

Notes: Totals may not equal sum of components due to independent rounding. Domestic crude oil field production are estimates.

Sources: Energy Information Administration (EIA) Forms EIA-22M "Monthly Biodiesel Production Survey", Forms EIA-810, "Monthly Refinery Report," EIA-812, "Monthly Product Pipeline Report," EIA-813, "Monthly Crude Oil Report," EIA-814, "Monthly Imports Report," EIA-815, "Monthly Bulk Terminal Report," EIA-816, "Monthly Natural Gas Liquids Report," EIA-817, "Monthly Tanker and Barge Movements Report," and EIA-819, "Monthly Oxygenate Report." Domestic crude oil field production estimates based on Form EIA-914, "Monthly Crude Oil and Lease Condensate, and Natural Gas Production Report," and data from State conservation agencies, U.S. Department of Interior, and the Bureau of Ocean Energy Management. Export data from the U.S. Census Bureau and EIA estimates. Rail net receipts estimates based on EIA analysis of data from the Surface Transportation Board and other information.

**Table 6. PAD District 1 - Year-to-Date Supply, Disposition, and Ending Stocks of Crude Oil and Petroleum Products, January-September 2020**  
(Thousand Barrels)

Commodity	Supply						Disposition				
	Field Production	Renewable Fuels and Oxygenate Plant Net Production	Refinery and Blender Net Production	Imports (PADD of Entry) <sup>1</sup>	Net Receipts <sup>2</sup>	Adjustments <sup>3</sup>	Stock Change <sup>4</sup>	Refinery and Blender Net Inputs	Exports	Products Supplied <sup>5</sup>	Ending Stocks
<b>Crude Oil</b>	<b>18,849</b>	<b>--</b>	<b>--</b>	<b>116,112</b>	<b>49,801</b>	<b>-7,125</b>	<b>1,502</b>	<b>167,271</b>	<b>8,864</b>	<b>0</b>	<b>11,148</b>
<b>Hydrocarbon Gas Liquids</b>	<b>166,032</b>	<b>-89</b>	<b>6,268</b>	<b>9,732</b>	<b>14,077</b>	<b>--</b>	<b>3,952</b>	<b>8,096</b>	<b>71,590</b>	<b>112,382</b>	<b>13,574</b>
Natural Gas Liquids	166,032	-89	3,034	7,620	11,128	--	3,947	8,096	71,590	104,092	13,261
Ethane	62,811	--	--	--	-45,753	--	-34	--	14,905	2,187	705
Propane	59,409	--	3,547	7,057	49,318	--	3,026	--	39,906	76,399	9,584
Normal Butane	18,971	--	104	188	12,260	--	927	4,099	15,808	10,689	2,424
Isobutane	7,804	--	-617	375	-2,072	--	55	1,903	7	3,525	223
Natural Gasoline	17,037	-89	--	--	-2,625	--	-27	2,094	965	11,291	325
Refinery Olefins	--	--	3,234	2,112	2,949	--	5	--	--	8,290	313
Ethylene	--	--	96	--	--	--	--	--	--	96	--
Propylene	--	--	3,239	2,112	2,949	--	-32	--	--	8,332	119
Normal Butylene	--	--	-296	--	--	--	34	--	--	-330	176
Isobutylene	--	--	195	--	--	--	3	--	--	192	18
<b>Other Liquids</b>	<b>--</b>	<b>5,348</b>	<b>--</b>	<b>130,001</b>	<b>507,514</b>	<b>42,020</b>	<b>-3,719</b>	<b>687,786</b>	<b>2,049</b>	<b>-1,233</b>	<b>69,974</b>
Hydrogen/Oxygenates/Renewables/Other Hydrocarbons	--	5,357	--	1,457	78,928	-2,978	-933	82,508	1,189	0	7,647
Hydrogen	--	--	--	--	--	970	--	970	--	0	--
Oxygenates (excluding Fuel Ethanol)	--	--	--	--	--	--	--	--	--	--	--
Renewable Fuels (including Fuel Ethanol)	--	5,357	--	1,457	78,928	-3,948	-933	81,538	1,189	0	7,647
Fuel Ethanol	--	4,161	--	--	77,293	-2,529	-732	78,654	1,002	0	6,529
Renewable Fuels Except Fuel Ethanol	--	1,196	--	1,457	1,635	-1,419	-201	2,884	187	0	1,118
Other Hydrocarbons	--	--	--	--	--	--	--	--	--	--	--
Unfinished Oils	--	--	--	19,161	761	--	-353	21,186	322	-1,233	3,788
Motor Gasoline Blend.Comp. (MGBC)	--	-9	--	109,383	427,825	44,998	-2,433	584,092	538	0	58,539
Reformulated	--	--	--	43,959	69,572	23,186	-1,961	138,665	13	0	19,194
Conventional	--	-9	--	65,424	358,253	21,812	-472	445,427	525	0	39,345
Aviation Gasoline Blend. Comp.	--	--	--	--	--	--	--	--	--	--	--
<b>Finished Petroleum Products</b>	<b>--</b>	<b>--</b>	<b>866,016</b>	<b>100,408</b>	<b>365,987</b>	<b>-41,052</b>	<b>19,552</b>	<b>--</b>	<b>24,404</b>	<b>1,247,403</b>	<b>94,518</b>
Finished Motor Gasoline	--	--	763,846	25,650	29,411	-42,469	-1,582	--	1,629	776,391	3,050
Reformulated	--	--	287,795	--	--	-22,634	1	--	--	265,160	29
Conventional	--	--	476,051	25,650	29,411	-19,835	-1,583	--	1,629	511,231	3,021
Finished Aviation Gasoline	--	--	--	37	591	--	32	--	--	596	231
Kerosene-Type Jet Fuel	--	--	8,794	12,361	74,936	--	560	--	1,785	93,746	9,405
Kerosene	--	--	726	--	1,351	--	-248	--	155	2,170	1,957
Distillate Fuel Oil <sup>6</sup>	--	--	56,834	39,095	239,656	1,417	18,260	--	9,161	309,581	63,062
15 ppm sulfur and under	--	--	57,083	37,726	230,506	1,417	18,950	--	5,822	301,959	58,682
Greater than 15 ppm to 500 ppm sulfur	--	--	847	1,106	1,052	--	-120	--	2,660	465	1,351
Greater than 500 ppm sulfur	--	--	-1,096	263	8,098	--	-570	--	679	7,156	3,029
Residual Fuel Oil	--	--	8,470	12,786	1,224	--	1,172	--	2,821	18,487	8,843
Less than 0.31 percent sulfur	--	--	-379	1,105	1,118	--	-594	--	NA	NA	1,083
0.31 to 1.00 percent sulfur	--	--	6,661	5,814	53	--	643	--	NA	NA	2,730
Greater than 1.00 percent sulfur	--	--	2,188	5,867	53	--	1,123	--	NA	NA	5,030
Petrochemical Feedstocks	--	--	-5	877	100	--	-45	--	--	1,017	--
Naphtha for Petro. Feed. Use	--	--	-5	870	100	--	-45	--	--	1,010	--
Other Oils for Petro. Feed. Use	--	--	--	7	--	--	--	--	--	7	--
Special Naphthas	--	--	132	11	--	--	-1	--	--	144	32
Lubricants	--	--	3,012	1,135	4,527	--	-323	--	1,606	7,391	1,119
Waxes	--	--	-77	639	--	--	-163	--	581	144	246
Petroleum Coke	--	--	6,178	22	4,108	--	--	--	5,941	4,367	--
Marketable	--	--	2,600	22	4,108	--	--	--	5,941	789	--
Catalyst	--	--	3,578	--	--	--	--	--	--	3,578	--
Asphalt and Road Oil	--	--	9,339	7,795	9,716	--	1,871	--	596	24,384	6,521
Still Gas	--	--	8,052	--	--	--	--	--	--	8,052	--
Miscellaneous Products	--	--	715	--	367	--	19	--	129	934	52
<b>Total</b>	<b>184,881</b>	<b>5,259</b>	<b>872,284</b>	<b>356,253</b>	<b>937,379</b>	<b>-6,157</b>	<b>21,287</b>	<b>863,153</b>	<b>106,908</b>	<b>1,358,551</b>	<b>189,214</b>

-- = Not Applicable.

-- = No Data Reported.

NA = Not Available.

<sup>1</sup> Represents the PAD District in which the material entered the United States and not necessarily where the crude oil or product is processed and/or consumed.

<sup>2</sup> Net receipts equal gross receipts minus gross shipments by pipeline, tanker, and barge. Receipts and shipments by rail are included for crude oil, propane, normal butane, isobutane, propylene, ethanol, biodiesel, marketable petroleum coke, and asphalt and road oil.

<sup>3</sup> Includes an adjustment for crude oil, previously referred to as "Unaccounted For Crude Oil." Also included is an adjustment for motor gasoline blending components, fuel ethanol, and distillate fuel oil. See Appendix B, Note 2C for a detailed explanation of these adjustments.

<sup>4</sup> A negative number indicates a decrease in stocks and a positive number indicates an increase in stocks. Stock change for crude oil excludes lease stocks beginning with January 2005 (see explanatory notes).

<sup>5</sup> Product supplied is equal to field production, plus renewable fuels and oxygenate plant net production, plus refinery and blender net production, plus imports, plus net receipts, plus adjustments, minus stock change, minus refinery and blender net inputs, minus exports.

<sup>6</sup> Excludes stocks located in the "Northeast Heating Oil Reserve", "Northeast Regional Refined Petroleum Product Reserve", and "State of New York's Strategic Fuels Reserve Program". For details see Appendix D.

Notes: Totals may not equal sum of components due to independent rounding. Domestic crude oil field production are estimates.

Sources: Energy Information Administration (EIA) Forms EIA-22M "Monthly Biodiesel Production Survey", Forms EIA-810, "Monthly Refinery Report," EIA-812, "Monthly Product Pipeline Report," EIA-813, "Monthly Crude Oil Report," EIA-814, "Monthly Imports Report," EIA-815, "Monthly Bulk Terminal Report," EIA-816, "Monthly Natural Gas Liquids Report," EIA-817, "Monthly Tanker and Barge Movements Report," and EIA-819, "Monthly Oxygenate Report." Domestic crude oil field production estimates based on Form EIA-914, "Monthly Crude Oil and Lease Condensate, and Natural Gas Production Report," and data from State conservation agencies, U.S. Department of Interior, and the Bureau of Ocean Energy Management. Export data from the U.S. Census Bureau and EIA estimates. Rail net receipts estimates based on EIA analysis of data from the Surface Transportation Board and other information.

**Table 7. PAD District 1 - Daily Average Supply and Disposition of Crude Oil and Petroleum Products, September 2020**  
(Thousand Barrels per Day)

Commodity	Supply						Disposition			
	Field Production	Renewable Fuels and Oxygenate Plant Net Production	Refinery and Blender Net Production	Imports (PADD of Entry) <sup>1</sup>	Net Receipts <sup>2</sup>	Adjustments <sup>3</sup>	Stock Change <sup>4</sup>	Refinery and Blender Net Inputs	Exports	Products Supplied <sup>5</sup>
<b>Crude Oil</b> .....	<b>76</b>	<b>--</b>	<b>--</b>	<b>399</b>	<b>122</b>	<b>4</b>	<b>-31</b>	<b>548</b>	<b>82</b>	<b>0</b>
<b>Hydrocarbon Gas Liquids</b> .....	<b>632</b>	<b>0</b>	<b>13</b>	<b>24</b>	<b>58</b>	<b>--</b>	<b>15</b>	<b>47</b>	<b>267</b>	<b>399</b>
Natural Gas Liquids .....	632	0	-3	15	52	--	11	47	267	371
Ethane .....	243	--	--	--	-171	--	-3	--	57	19
Propane .....	222	--	12	12	198	--	36	--	148	261
Normal Butane .....	72	--	-10	1	46	--	-24	34	59	40
Isobutane .....	30	--	-4	2	-11	--	1	8	0	7
Natural Gasoline .....	65	0	--	--	-10	--	1	4	4	45
Refinery Olefins .....	--	--	16	9	6	--	4	--	--	27
Ethylene .....	--	--	0	--	--	--	--	--	--	0
Propylene .....	--	--	16	9	6	--	0	--	--	31
Normal Butylene .....	--	--	-1	--	--	--	5	--	--	-6
Isobutylene .....	--	--	1	--	--	--	-1	--	--	2
<b>Other Liquids</b> .....	<b>--</b>	<b>18</b>	<b>--</b>	<b>597</b>	<b>1,951</b>	<b>105</b>	<b>21</b>	<b>2,656</b>	<b>3</b>	<b>-10</b>
Hydrogen/Oxygenates/Renewables/Other Hydrocarbons .....	--	18	--	2	361	-52	9	317	2	0
Hydrogen .....	--	--	--	--	--	3	--	3	--	0
Oxygenates (excluding Fuel Ethanol) .....	--	--	--	--	--	--	--	--	--	--
Renewable Fuels (including Fuel Ethanol) .....	--	18	--	2	361	-55	9	314	2	0
Fuel Ethanol <sup>6</sup> .....	--	11	--	--	356	-47	14	305	2	0
Renewable Fuels Except Fuel Ethanol .....	--	6	--	2	5	-8	-5	9	0	0
Other Hydrocarbons .....	--	--	--	--	--	--	--	--	--	--
Unfinished Oils .....	--	--	--	105	-1	--	-3	116	1	-10
Motor Gasoline Blend Comp. (MGBC) <sup>6</sup> .....	--	--	--	489	1,591	157	15	2,223	0	0
Reformulated .....	--	--	--	193	207	72	-22	494	0	0
Conventional .....	--	--	--	297	1,384	86	37	1,729	0	0
Aviation Gasoline Blend. Comp. ....	--	--	--	--	--	--	--	--	--	--
<b>Finished Petroleum Products</b> .....	<b>--</b>	<b>--</b>	<b>3,277</b>	<b>377</b>	<b>1,004</b>	<b>-102</b>	<b>-160</b>	<b>--</b>	<b>81</b>	<b>4,635</b>
Finished Motor Gasoline .....	--	--	2,951	111	94	-110	-25	--	13	3,057
Reformulated .....	--	--	1,133	--	--	-77	0	--	--	1,056
Conventional .....	--	--	1,818	111	94	-33	-25	--	13	2,001
Finished Aviation Gasoline .....	--	--	--	0	2	--	-1	--	--	3
Kerosene-Type Jet Fuel .....	--	--	18	60	179	--	-14	--	0	270
Kerosene .....	--	--	7	--	3	--	-2	--	0	12
Distillate Fuel Oil <sup>6</sup> .....	--	--	163	154	673	8	-78	--	20	1,056
15 ppm sulfur and under .....	--	--	165	153	654	8	-76	--	0	1,055
Greater than 15 ppm to 500 ppm sulfur .....	--	--	1	1	--	--	-10	--	19	-7
Greater than 500 ppm sulfur .....	--	--	-2	--	19	--	8	--	0	8
Residual Fuel Oil .....	--	--	34	26	-10	--	-25	--	13	62
Less than 0.31 percent sulfur .....	--	--	0	--	--	--	3	--	NA	NA
0.31 to 1.00 percent sulfur .....	--	--	27	7	-10	--	-3	--	NA	NA
Greater than 1.00 percent sulfur .....	--	--	7	19	--	--	-24	--	NA	NA
Petrochemical Feedstocks .....	--	--	--	--	3	--	--	--	--	3
Naphtha for Petro. Feed. Use .....	--	--	--	--	3	--	--	--	--	3
Other Oils for Petro. Feed. Use .....	--	--	--	--	--	--	--	--	--	--
Special Naphthas .....	--	--	1	--	--	--	0	--	--	1
Lubricants .....	--	--	13	3	15	--	0	--	5	26
Waxes .....	--	--	-1	2	--	--	0	--	2	-1
Petroleum Coke .....	--	--	22	0	14	--	--	--	22	14
Marketable .....	--	--	7	0	14	--	--	--	22	-1
Catalyst .....	--	--	15	--	--	--	--	--	--	15
Asphalt and Road Oil .....	--	--	38	21	30	--	-16	--	5	100
Still Gas .....	--	--	29	--	--	--	--	--	--	29
Miscellaneous Products .....	--	--	2	--	1	--	0	--	0	3
<b>Total</b> .....	<b>708</b>	<b>17</b>	<b>3,290</b>	<b>1,397</b>	<b>3,135</b>	<b>7</b>	<b>-154</b>	<b>3,252</b>	<b>434</b>	<b>5,023</b>

-- = Not Applicable.

- = No Data Reported.

NA = Not Available.

<sup>1</sup> Represents the PAD District in which the material entered the United States and not necessarily where the crude oil or product is processed and/or consumed.

<sup>2</sup> Net receipts equal gross receipts minus gross shipments by pipeline, tanker, and barge. Receipts and shipments by rail are included for crude oil, propane, normal butane, isobutane, propylene, ethanol, biodiesel, marketable petroleum coke, and asphalt and road oil.

<sup>3</sup> Includes an adjustment for crude oil, previously referred to as 'Unaccounted For Crude Oil.' Also included is an adjustment for motor gasoline blending components, fuel ethanol, and distillate fuel oil. See Appendix B, Note 2C for a detailed explanation of these adjustments.

<sup>4</sup> A negative number indicates a decrease in stocks and a positive number indicates an increase in stocks. Stock change for crude oil excludes lease stocks beginning with January 2005 (see explanatory notes).

<sup>5</sup> Product supplied is equal to field production, plus renewable fuels and oxygenate plant net production, plus refinery and blender net production, plus imports, plus net receipts, plus adjustments, minus stock change, minus refinery and blender net inputs, minus exports.

<sup>6</sup> Excludes stocks located in the "Northeast Heating Oil Reserve", "Northeast Regional Refined Petroleum Product Reserve", and "State of New York's Strategic Fuels Reserve Program". For details see Appendix D.

Notes: Totals may not equal sum of components due to independent rounding. Domestic crude oil field production are estimates.

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**Table 8. PAD District 1 - Year-to-Date Daily Average Supply and Disposition of Crude Oil and Petroleum Products, January-September 2020**  
(Thousand Barrels per Day)

Commodity	Supply						Disposition			
	Field Production	Renewable Fuels and Oxygenate Plant Net Production	Refinery and Blender Net Production	Imports (PADD of Entry) <sup>1</sup>	Net Receipts <sup>2</sup>	Adjustments <sup>3</sup>	Stock Change <sup>4</sup>	Refinery and Blender Net Inputs	Exports	Products Supplied <sup>5</sup>
<b>Crude Oil</b>	<b>69</b>	<b>--</b>	<b>--</b>	<b>424</b>	<b>182</b>	<b>-26</b>	<b>5</b>	<b>610</b>	<b>32</b>	<b>0</b>
<b>Hydrocarbon Gas Liquids</b>	<b>606</b>	<b>0</b>	<b>23</b>	<b>36</b>	<b>51</b>	<b>--</b>	<b>14</b>	<b>30</b>	<b>261</b>	<b>410</b>
Natural Gas Liquids	606	0	11	28	41	--	14	30	261	380
Ethane	229	--	--	--	-167	--	0	--	54	8
Propane	217	--	13	26	180	--	11	--	146	279
Normal Butane	69	--	0	1	45	--	3	15	58	39
Isobutane	28	--	-2	1	-8	--	0	7	0	13
Natural Gasoline	62	0	--	--	-10	--	0	8	4	41
Refinery Olefins	--	--	12	8	11	--	0	--	--	30
Ethylene	--	--	0	--	--	--	--	--	--	0
Propylene	--	--	12	8	11	--	0	--	--	30
Normal Butylene	--	--	-1	--	--	--	0	--	--	-1
Isobutylene	--	--	1	--	--	--	0	--	--	1
<b>Other Liquids</b>	<b>--</b>	<b>20</b>	<b>--</b>	<b>474</b>	<b>1,852</b>	<b>153</b>	<b>-14</b>	<b>2,510</b>	<b>7</b>	<b>-5</b>
Hydrogen/Oxygenates/Renewables/Other Hydrocarbons	--	20	--	5	288	-11	-3	301	4	0
Hydrogen	--	--	--	--	--	4	--	4	--	0
Oxygenates (excluding Fuel Ethanol)	--	--	--	--	--	--	--	--	--	--
Renewable Fuels (including Fuel Ethanol)	--	20	--	5	288	-14	-3	298	4	0
Fuel Ethanol <sup>6</sup>	--	15	--	--	282	-9	-3	287	4	0
Renewable Fuels Except Fuel Ethanol	--	4	--	5	6	-5	-1	11	1	0
Other Hydrocarbons	--	--	--	--	--	--	--	--	--	--
Unfinished Oils	--	--	--	70	3	--	-1	77	1	-5
Motor Gasoline Blend Comp. (MGBC) <sup>6</sup>	--	0	--	399	1,561	164	-9	2,132	2	0
Reformulated	--	--	--	160	254	85	-7	506	0	0
Conventional	--	0	--	239	1,307	80	-2	1,626	2	0
Aviation Gasoline Blend. Comp.	--	--	--	--	--	--	--	--	--	--
<b>Finished Petroleum Products</b>	<b>--</b>	<b>--</b>	<b>3,161</b>	<b>366</b>	<b>1,336</b>	<b>-150</b>	<b>71</b>	<b>--</b>	<b>89</b>	<b>4,553</b>
Finished Motor Gasoline	--	--	2,788	94	107	-155	-6	--	6	2,834
Reformulated	--	--	1,050	--	--	-83	0	--	--	968
Conventional	--	--	1,737	94	107	-72	-6	--	6	1,866
Finished Aviation Gasoline	--	--	--	0	2	--	0	--	--	2
Kerosene-Type Jet Fuel	--	--	32	45	273	--	2	--	7	342
Kerosene	--	--	3	--	5	--	-1	--	1	8
Distillate Fuel Oil <sup>6</sup>	--	--	207	143	875	5	67	--	33	1,130
15 ppm sulfur and under	--	--	208	138	841	5	69	--	21	1,102
Greater than 15 ppm to 500 ppm sulfur	--	--	3	4	4	--	0	--	10	2
Greater than 500 ppm sulfur	--	--	-4	1	30	--	-2	--	2	26
Residual Fuel Oil	--	--	31	47	4	--	4	--	10	67
Less than 0.31 percent sulfur	--	--	-1	4	4	--	-2	--	NA	NA
0.31 to 1.00 percent sulfur	--	--	24	21	0	--	2	--	NA	NA
Greater than 1.00 percent sulfur	--	--	8	21	0	--	4	--	NA	NA
Petrochemical Feedstocks	--	--	0	3	0	--	0	--	--	4
Naphtha for Petro. Feed. Use	--	--	0	3	0	--	0	--	--	4
Other Oils for Petro. Feed. Use	--	--	--	0	--	--	--	--	--	0
Special Naphthas	--	--	0	0	--	--	0	--	--	1
Lubricants	--	--	11	4	17	--	-1	--	6	27
Waxes	--	--	0	2	--	--	-1	--	2	1
Petroleum Coke	--	--	23	0	15	--	--	--	22	16
Marketable	--	--	9	0	15	--	--	--	22	3
Catalyst	--	--	13	--	--	--	--	--	--	13
Asphalt and Road Oil	--	--	34	28	35	--	7	--	2	89
Still Gas	--	--	29	--	--	--	--	--	--	29
Miscellaneous Products	--	--	3	--	1	--	0	--	0	3
<b>Total</b>	<b>675</b>	<b>19</b>	<b>3,184</b>	<b>1,300</b>	<b>3,421</b>	<b>-22</b>	<b>78</b>	<b>3,150</b>	<b>390</b>	<b>4,958</b>

-- = Not Applicable.

NA = No Data Reported.

NA = Not Available.

<sup>1</sup> Represents the PAD District in which the material entered the United States and not necessarily where the crude oil or product is processed and/or consumed.

<sup>2</sup> Net receipts equal gross receipts minus gross shipments by pipeline, tanker, and barge. Receipts and shipments by rail are included for crude oil, propane, normal butane, isobutane, propylene, ethanol, biodiesel, marketable petroleum coke, and asphalt and road oil.

<sup>3</sup> Includes an adjustment for crude oil, previously referred to as 'Unaccounted For Crude Oil.' Also included is an adjustment for motor gasoline blending components, fuel ethanol, and distillate fuel oil. See Appendix B, Note 2C for a detailed explanation of these adjustments.

<sup>4</sup> A negative number indicates a decrease in stocks and a positive number indicates an increase in stocks. Stock change for crude oil excludes lease stocks beginning with January 2005 (see explanatory notes).

<sup>5</sup> Product supplied is equal to field production, plus renewable fuels and oxygenate plant net production, plus refinery and blender net production, plus imports, plus net receipts, plus adjustments, minus stock change, minus refinery and blender net inputs, minus exports.

<sup>6</sup> Excludes stocks located in the "Northeast Heating Oil Reserve", "Northeast Regional Refined Petroleum Product Reserve", and "State of New York's Strategic Fuels Reserve Program". For details see Appendix D.

Notes: Totals may not equal sum of components due to independent rounding. Domestic crude oil field production are estimates.

Sources: Energy Information Administration (EIA) Forms EIA-22M "Monthly Biodiesel Production Survey", Forms EIA-810, "Monthly Refinery Report," EIA-812, "Monthly Product Pipeline Report," EIA-813, "Monthly Crude Oil Report," EIA-814, "Monthly Imports Report," EIA-815, "Monthly Bulk Terminal Report," EIA-816, "Monthly Natural Gas Liquids Report," EIA-817, "Monthly Tanker and Barge Movements Report," and EIA-819, "Monthly Oxygenate Report." Domestic crude oil field production estimates based on Form EIA-914, "Monthly Crude Oil and Lease Condensate, and Natural Gas Production Report," and data from State conservation agencies, U.S. Department of Interior, and the Bureau of Ocean Energy Management. Export data from the U.S. Census Bureau and EIA estimates. Rail net receipts estimates based on EIA analysis of data from the Surface Transportation Board and other information.



**Table 9. PAD District 2 - Supply, Disposition, and Ending Stocks of Crude Oil and Petroleum Products, September 2020**  
(Thousand Barrels)

Commodity	Supply						Disposition				Ending Stocks
	Field Production	Renewable Fuels and Oxygenate Plant Net Production	Refinery and Blender Net Production	Imports (PADD of Entry) <sup>1</sup>	Net Receipts <sup>2</sup>	Adjustments <sup>3</sup>	Stock Change <sup>4</sup>	Refinery and Blender Net Inputs	Exports	Products Supplied <sup>5</sup>	
<b>Crude Oil</b>	<b>55,443</b>	<b>--</b>	<b>--</b>	<b>72,926</b>	<b>-8,652</b>	<b>-6,660</b>	<b>829</b>	<b>105,215</b>	<b>7,012</b>	<b>0</b>	<b>140,907</b>
<b>Hydrocarbon Gas Liquids</b>	<b>30,290</b>	<b>-546</b>	<b>3,575</b>	<b>2,704</b>	<b>-15,554</b>	<b>--</b>	<b>206</b>	<b>2,991</b>	<b>9,094</b>	<b>8,178</b>	<b>66,522</b>
Natural Gas Liquids	30,290	-546	2,253	2,515	-14,853	--	-14	2,991	9,094	7,588	65,581
Ethane	9,865	--	--	--	-3,600	--	-691	--	3,063	3,893	6,193
Propane	10,933	--	2,197	2,186	-11,445	--	290	--	110	3,471	26,333
Normal Butane	3,520	--	207	197	-3,375	--	-438	644	170	173	18,956
Isobutane	2,173	--	-151	129	275	--	375	1,453	1	597	2,668
Natural Gasoline	3,799	-546	--	3	3,292	--	450	894	5,749	-545	11,431
Refinery Olefins	--	--	1,322	189	-701	--	220	--	--	590	941
Ethylene	--	--	--	--	--	--	--	--	--	--	--
Propylene	--	--	1,255	126	-701	--	86	--	--	594	384
Normal Butylene	--	--	67	63	--	--	134	--	--	-4	557
Isobutylene	--	--	--	--	--	--	0	--	--	0	0
<b>Other Liquids</b>	<b>--</b>	<b>29,158</b>	<b>--</b>	<b>162</b>	<b>-14,291</b>	<b>-797</b>	<b>-1,789</b>	<b>14,929</b>	<b>1,697</b>	<b>-605</b>	<b>60,276</b>
Hydrogen/Oxygenates/Renewables/Other Hydrocarbons	--	29,160	--	104	-19,535	-425	-257	8,615	946	0	7,500
Hydrogen	--	--	--	--	--	1,056	--	1,056	--	0	--
Oxygenates (excluding Fuel Ethanol)	--	--	--	--	--	--	--	--	--	--	--
Renewable Fuels (including Fuel Ethanol)	--	29,160	--	104	-19,535	-1,503	-251	7,531	946	0	7,480
Fuel Ethanol	--	26,447	--	--	-18,789	-160	-111	6,948	662	0	6,609
Renewable Fuels Except Fuel Ethanol	--	2,713	--	104	-746	-1,344	-140	583	285	0	871
Other Hydrocarbons	--	--	--	--	--	22	-6	28	--	0	20
Unfinished Oils	--	--	--	53	-78	--	472	-554	662	-605	13,315
Motor Gasoline Blend.Comp. (MGBC)	--	-2	--	5	5,322	-372	-2,004	6,868	89	0	39,461
Reformulated	--	-1	--	--	655	178	-754	1,586	--	0	4,785
Conventional	--	-1	--	5	4,667	-550	-1,250	5,282	89	0	34,676
Aviation Gasoline Blend. Comp.	--	--	--	--	--	--	--	--	--	--	--
<b>Finished Petroleum Products</b>	<b>--</b>	<b>83</b>	<b>125,991</b>	<b>1,002</b>	<b>1,741</b>	<b>1,875</b>	<b>-4,861</b>	<b>--</b>	<b>1,177</b>	<b>134,377</b>	<b>59,410</b>
Finished Motor Gasoline	--	83	72,614	--	65	532	-416	--	313	73,397	6,718
Reformulated	--	--	9,274	--	--	-137	--	--	--	9,137	--
Conventional	--	83	63,340	--	65	668	-416	--	313	64,259	6,718
Finished Aviation Gasoline	--	--	16	3	10	--	-3	--	--	32	89
Kerosene-Type Jet Fuel	--	--	5,541	--	1,092	--	364	--	28	6,241	6,994
Kerosene	--	--	85	--	25	--	18	--	1	91	167
Distillate Fuel Oil	--	--	31,624	108	2,524	1,344	-3,299	--	182	38,717	32,014
15 ppm sulfur and under	--	--	31,822	106	2,399	1,344	-3,187	--	2	38,855	31,300
Greater than 15 ppm to 500 ppm sulfur	--	--	86	--	125	--	-10	--	10	211	281
Greater than 500 ppm sulfur	--	--	-284	2	--	--	-102	--	170	-350	433
Residual Fuel Oil	--	--	873	54	-423	--	74	--	184	246	1,335
Less than 0.31 percent sulfur	--	--	11	--	--	--	-24	--	NA	NA	26
0.31 to 1.00 percent sulfur	--	--	291	8	-284	--	-21	--	NA	NA	395
Greater than 1.00 percent sulfur	--	--	571	46	-139	--	119	--	NA	NA	914
Petrochemical Feedstocks	--	--	856	118	-45	--	18	--	--	911	527
Naphtha for Petro. Feed. Use	--	--	514	70	-45	--	36	--	--	503	428
Other Oils for Petro. Feed. Use	--	--	342	48	--	--	-18	--	--	408	99
Special Naphthas	--	--	-1	1	9	--	1	--	--	8	161
Lubricants	--	--	211	160	208	--	-18	--	199	398	593
Waxes	--	--	38	14	--	--	10	--	38	4	46
Petroleum Coke	--	--	5,103	20	-1,063	--	-266	--	27	4,298	2,003
Marketable	--	--	3,730	20	-1,063	--	-266	--	27	2,925	2,003
Catalyst	--	--	1,373	--	--	--	--	--	--	1,373	--
Asphalt and Road Oil	--	--	4,626	524	-634	--	-1,335	--	202	5,649	8,669
Still Gas	--	--	4,002	--	--	--	--	--	--	4,002	--
Miscellaneous Products	--	--	403	--	-26	--	-9	--	3	383	94
<b>Total</b>	<b>85,733</b>	<b>28,695</b>	<b>129,566</b>	<b>76,794</b>	<b>-36,756</b>	<b>-5,582</b>	<b>-5,615</b>	<b>123,135</b>	<b>18,980</b>	<b>141,951</b>	<b>327,115</b>

-- = Not Applicable.

-- = No Data Reported.

NA = Not Available.

<sup>1</sup> Represents the PAD District in which the material entered the United States and not necessarily where the crude oil or product is processed and/or consumed.

<sup>2</sup> Net receipts equal gross receipts minus gross shipments by pipeline, tanker, and barge. Receipts and shipments by rail are included for crude oil, propane, normal butane, isobutane, propylene, ethanol, biodiesel, marketable petroleum coke, and asphalt and road oil.

<sup>3</sup> Includes an adjustment for crude oil, previously referred to as 'Unaccounted For Crude Oil.' Also included is an adjustment for motor gasoline blending components, fuel ethanol, and distillate fuel oil. See Appendix B, Note 2C for a detailed explanation of these adjustments.

<sup>4</sup> A negative number indicates a decrease in stocks and a positive number indicates an increase in stocks. Stock change for crude oil excludes lease stocks beginning with January 2005 (see explanatory notes).

<sup>5</sup> Product supplied is equal to field production, plus renewable fuels and oxygenate plant net production, plus refinery and blender net production, plus imports, plus net receipts, plus adjustments, minus stock change, minus refinery and blender net inputs, minus exports.

Notes: Totals may not equal sum of components due to independent rounding. Domestic crude oil field production are estimates.

Sources: Energy Information Administration (EIA) Forms EIA-22M "Monthly Biodiesel Production Survey", Forms EIA-810, "Monthly Refinery Report," EIA-812, "Monthly Product Pipeline Report," EIA-813, "Monthly Crude Oil Report," EIA-814, "Monthly Imports Report," EIA-815, "Monthly Bulk Terminal Report," EIA-816, "Monthly Natural Gas Liquids Report," EIA-817, "Monthly Tanker and Barge Movements Report," and EIA-819, "Monthly Oxygenate Report." Domestic crude oil field production estimates based on Form EIA-914, "Monthly Crude Oil and Lease Condensate, and Natural Gas Production Report," and data from State conservation agencies, U.S. Department of Interior, and the Bureau of Ocean Energy Management. Export data from the U.S. Census Bureau and EIA estimates. Rail net receipts estimates based on EIA analysis of data from the Surface Transportation Board and other information.

**Table 10. PAD District 2 - Year-to-Date Supply, Disposition, and Ending Stocks of Crude Oil and Petroleum Products, January-September 2020**  
(Thousand Barrels)

Commodity	Supply						Disposition				
	Field Production	Renewable Fuels and Oxygenate Plant Net Production	Refinery and Blender Net Production	Imports (PADD of Entry) <sup>1</sup>	Net Receipts <sup>2</sup>	Adjustments <sup>3</sup>	Stock Change <sup>4</sup>	Refinery and Blender Net Inputs	Exports	Products Supplied <sup>5</sup>	Ending Stocks
<b>Crude Oil</b>	<b>506,778</b>	<b>--</b>	<b>--</b>	<b>720,236</b>	<b>-201,773</b>	<b>-20,534</b>	<b>14,318</b>	<b>946,167</b>	<b>44,222</b>	<b>0</b>	<b>140,907</b>
<b>Hydrocarbon Gas Liquids</b>	<b>273,363</b>	<b>-4,526</b>	<b>34,315</b>	<b>15,999</b>	<b>-132,277</b>	<b>--</b>	<b>19,237</b>	<b>21,258</b>	<b>84,333</b>	<b>62,046</b>	<b>66,522</b>
Natural Gas Liquids	273,363	-4,526	22,800	14,173	-125,988	--	18,600	21,258	84,333	55,631	65,581
Ethane	93,288	--	--	--	-33,418	--	778	--	25,900	33,192	6,193
Propane	98,113	--	19,083	10,804	-90,306	--	6,317	--	1,723	29,654	26,333
Normal Butane	32,658	--	5,375	1,903	-31,627	--	9,811	4,227	1,889	-7,618	18,956
Isobutane	17,557	--	-1,658	1,412	-577	--	771	11,994	8	3,961	2,668
Natural Gasoline	31,747	-4,526	--	54	29,940	--	923	5,037	54,813	-3,558	11,431
Refinery Olefins	--	--	11,515	1,826	-6,289	--	637	--	--	6,415	941
Ethylene	--	--	--	--	--	--	--	--	--	--	--
Propylene	--	--	10,772	1,389	-6,289	--	100	--	--	5,772	384
Normal Butylene	--	--	743	437	--	--	537	--	--	643	557
Isobutylene	--	--	--	--	--	--	0	--	--	0	0
<b>Other Liquids</b>	<b>--</b>	<b>251,511</b>	<b>--</b>	<b>3,579</b>	<b>-109,506</b>	<b>-26,791</b>	<b>-9,636</b>	<b>117,025</b>	<b>20,139</b>	<b>-8,733</b>	<b>60,276</b>
Hydrogen/Oxygenates/Renewables/Other Hydrocarbons	--	251,523	--	911	-162,852	-10,232	-1,312	74,045	6,618	0	7,500
Hydrogen	--	--	--	--	--	10,117	--	10,117	--	0	--
Oxygenates (excluding Fuel Ethanol)	--	--	--	--	--	--	--	--	--	--	--
Renewable Fuels (including Fuel Ethanol)	--	251,523	--	911	-162,852	-20,501	-1,322	63,786	6,618	0	7,480
Fuel Ethanol	--	228,524	--	--	-155,967	-9,398	-1,255	59,671	4,743	0	6,609
Renewable Fuels Except Fuel Ethanol	--	22,999	--	911	-6,884	-11,103	-67	4,115	1,875	0	871
Other Hydrocarbons	--	--	--	--	--	152	10	142	--	0	20
Unfinished Oils	--	--	--	572	-2,926	--	-106	-5,980	12,465	-8,733	13,315
Motor Gasoline Blend.Comp. (MGBC)	--	-12	--	2,096	56,272	-16,559	-8,218	48,960	1,055	0	39,461
Reformulated	--	-4	--	--	14,850	-5,286	-818	10,377	1	0	4,785
Conventional	--	-8	--	2,096	41,422	-11,272	-7,400	38,583	1,055	0	34,676
Aviation Gasoline Blend. Comp.	--	--	--	--	--	--	--	--	--	--	--
<b>Finished Petroleum Products</b>	<b>--</b>	<b>645</b>	<b>1,106,249</b>	<b>9,391</b>	<b>15,310</b>	<b>37,061</b>	<b>-1,074</b>	<b>--</b>	<b>9,827</b>	<b>1,159,903</b>	<b>59,410</b>
Finished Motor Gasoline	--	645	621,044	37	-362	25,957	-603	--	1,885	646,038	6,718
Reformulated	--	--	81,668	--	--	7,021	--	--	--	88,689	--
Conventional	--	645	539,376	37	-362	18,935	-603	--	1,885	557,349	6,718
Finished Aviation Gasoline	--	--	145	32	132	--	-62	--	--	371	89
Kerosene-Type Jet Fuel	--	--	48,138	--	10,363	--	227	--	803	57,471	6,994
Kerosene	--	--	698	--	25	--	-155	--	8	870	167
Distillate Fuel Oil	--	--	289,959	1,859	25,109	11,104	561	--	1,215	326,255	32,014
15 ppm sulfur and under	--	--	290,337	1,766	24,252	11,104	841	--	8	326,611	31,300
Greater than 15 ppm to 500 ppm sulfur	--	--	885	--	745	--	-199	--	138	1,691	281
Greater than 500 ppm sulfur	--	--	-1,263	93	112	--	-81	--	1,069	-2,046	433
Residual Fuel Oil	--	--	8,278	800	-5,669	--	88	--	1,579	1,742	1,335
Less than 0.31 percent sulfur	--	--	536	--	-380	--	-171	--	NA	NA	26
0.31 to 1.00 percent sulfur	--	--	3,210	379	-3,025	--	146	--	NA	NA	395
Greater than 1.00 percent sulfur	--	--	4,532	421	-2,264	--	113	--	NA	NA	914
Petrochemical Feedstocks	--	--	7,336	1,371	-667	--	7	--	--	8,033	527
Naphtha for Petro. Feed. Use	--	--	4,203	748	-636	--	4	--	--	4,311	428
Other Oils for Petro. Feed. Use	--	--	3,133	623	-31	--	3	--	--	3,722	99
Special Naphthas	--	--	-15	57	139	--	-17	--	--	198	161
Lubricants	--	--	1,486	1,114	1,548	--	-97	--	1,617	2,628	593
Waxes	--	--	245	117	--	--	5	--	241	116	46
Petroleum Coke	--	--	47,795	215	-8,854	--	-73	--	1,679	37,550	2,003
Marketable	--	--	36,266	215	-8,854	--	-73	--	1,679	26,021	2,003
Catalyst	--	--	11,529	--	--	--	--	--	--	11,529	--
Asphalt and Road Oil	--	--	41,069	3,789	-6,111	--	-948	--	772	38,923	8,669
Still Gas	--	--	35,974	--	--	--	--	--	--	35,974	--
Miscellaneous Products	--	--	4,097	--	-343	--	-7	--	29	3,732	94
<b>Total</b>	<b>780,141</b>	<b>247,630</b>	<b>1,140,564</b>	<b>749,205</b>	<b>-428,245</b>	<b>-10,264</b>	<b>22,845</b>	<b>1,084,450</b>	<b>158,519</b>	<b>1,213,216</b>	<b>327,115</b>

-- = Not Applicable.

-- = No Data Reported.

NA = Not Available.

<sup>1</sup> Represents the PAD District in which the material entered the United States and not necessarily where the crude oil or product is processed and/or consumed.

<sup>2</sup> Net receipts equal gross receipts minus gross shipments by pipeline, tanker, and barge. Receipts and shipments by rail are included for crude oil, propane, normal butane, isobutane, propylene, ethanol, biodiesel, marketable petroleum coke, and asphalt and road oil.

<sup>3</sup> Includes an adjustment for crude oil, previously referred to as 'Unaccounted For Crude Oil.' Also included is an adjustment for motor gasoline blending components, fuel ethanol, and distillate fuel oil. See Appendix B, Note 2C for a detailed explanation of these adjustments.

<sup>4</sup> A negative number indicates a decrease in stocks and a positive number indicates an increase in stocks. Stock change for crude oil excludes lease stocks beginning with January 2005 (see explanatory notes).

<sup>5</sup> Product supplied is equal to field production, plus renewable fuels and oxygenate plant net production, plus refinery and blender net production, plus imports, plus net receipts, plus adjustments, minus stock change, minus refinery and blender net inputs, minus exports.

Notes: Totals may not equal sum of components due to independent rounding. Domestic crude oil field production are estimates.

Sources: Energy Information Administration (EIA) Forms EIA-22M "Monthly Biodiesel Production Survey", Forms EIA-810, "Monthly Refinery Report," EIA-812, "Monthly Product Pipeline Report," EIA-813, "Monthly Crude Oil Report," EIA-814, "Monthly Imports Report," EIA-815, "Monthly Bulk Terminal Report," EIA-816, "Monthly Natural Gas Liquids Report," EIA-817, "Monthly Tanker and Barge Movements Report," and EIA-819, "Monthly Oxygenate Report." Domestic crude oil field production estimates based on Form EIA-914, "Monthly Crude Oil and Lease Condensate, and Natural Gas Production Report," and data from State conservation agencies, U.S. Department of Interior, and the Bureau of Ocean Energy Management. Export data from the U.S. Census Bureau and EIA estimates. Rail net receipts estimates based on EIA analysis of data from the Surface Transportation Board and other information.

**Table 11. PAD District 2 - Daily Average Supply and Disposition of Crude Oil and Petroleum Products, September 2020**  
(Thousand Barrels per Day)

Commodity	Supply						Disposition			
	Field Production	Renewable Fuels and Oxygenate Plant Net Production	Refinery and Blender Net Production	Imports (PADD of Entry) <sup>1</sup>	Net Receipts <sup>2</sup>	Adjustments <sup>3</sup>	Stock Change <sup>4</sup>	Refinery and Blender Net Inputs	Exports	Products Supplied <sup>5</sup>
<b>Crude Oil</b>	<b>1,848</b>	<b>--</b>	<b>--</b>	<b>2,431</b>	<b>-288</b>	<b>-222</b>	<b>28</b>	<b>3,507</b>	<b>234</b>	<b>0</b>
<b>Hydrocarbon Gas Liquids</b>	<b>1,010</b>	<b>-18</b>	<b>119</b>	<b>90</b>	<b>-518</b>	<b>--</b>	<b>7</b>	<b>100</b>	<b>303</b>	<b>273</b>
Natural Gas Liquids	1,010	-18	75	84	-495	--	0	100	303	253
Ethane	329	--	--	--	-120	--	-23	--	102	130
Propane	364	--	73	73	-382	--	10	--	4	116
Normal Butane	117	--	7	7	-113	--	-15	21	6	6
Isobutane	72	--	-5	4	9	--	13	48	0	20
Natural Gasoline	127	-18	--	0	110	--	15	30	192	-18
Refinery Olefins	--	--	44	6	-23	--	7	--	--	20
Ethylene	--	--	--	--	--	--	--	--	--	--
Propylene	--	--	42	4	-23	--	3	--	--	20
Normal Butylene	--	--	2	2	--	--	4	--	--	0
Isobutylene	--	--	--	--	--	--	0	--	--	0
<b>Other Liquids</b>	<b>--</b>	<b>972</b>	<b>--</b>	<b>5</b>	<b>-476</b>	<b>-27</b>	<b>-60</b>	<b>498</b>	<b>57</b>	<b>-20</b>
Hydrogen/Oxygenates/Renewables/Other Hydrocarbons	--	972	--	3	-651	-14	-9	287	32	0
Hydrogen	--	--	--	--	--	35	--	35	--	0
Oxygenates (excluding Fuel Ethanol)	--	--	--	--	--	--	--	--	--	--
Renewable Fuels (including Fuel Ethanol)	--	972	--	3	-651	-50	-8	251	32	0
Fuel Ethanol	--	882	--	--	-626	-5	-4	232	22	0
Renewable Fuels Except Fuel Ethanol	--	90	--	3	-25	-45	-5	19	9	0
Other Hydrocarbons	--	--	--	--	--	1	0	1	--	0
Unfinished Oils	--	--	--	2	-3	--	16	-18	22	-20
Motor Gasoline Blend Comp. (MGBG)	--	0	--	0	177	-12	-67	229	3	0
Reformulated	--	0	--	--	22	6	-25	53	--	0
Conventional	--	0	--	0	156	-18	-42	176	3	0
Aviation Gasoline Blend. Comp.	--	--	--	--	--	--	--	--	--	--
<b>Finished Petroleum Products</b>	<b>--</b>	<b>3</b>	<b>4,200</b>	<b>33</b>	<b>58</b>	<b>63</b>	<b>-162</b>	<b>--</b>	<b>39</b>	<b>4,479</b>
Finished Motor Gasoline	--	3	2,420	--	2	18	-14	--	10	2,447
Reformulated	--	--	309	--	--	-5	--	--	--	305
Conventional	--	3	2,111	--	2	22	-14	--	10	2,142
Finished Aviation Gasoline	--	--	1	0	0	--	0	--	--	1
Kerosene-Type Jet Fuel	--	--	185	--	36	--	12	--	1	208
Kerosene	--	--	3	--	1	--	1	--	0	3
Distillate Fuel Oil	--	--	1,054	4	84	45	-110	--	6	1,291
15 ppm sulfur and under	--	--	1,061	4	80	45	-106	--	0	1,295
Greater than 15 ppm to 500 ppm sulfur	--	--	3	--	4	--	0	--	0	7
Greater than 500 ppm sulfur	--	--	-9	0	--	--	-3	--	6	-12
Residual Fuel Oil	--	--	29	2	-14	--	2	--	6	8
Less than 0.31 percent sulfur	--	--	0	--	--	--	-1	--	NA	NA
0.31 to 1.00 percent sulfur	--	--	10	0	-9	--	-1	--	NA	NA
Greater than 1.00 percent sulfur	--	--	19	2	-5	--	4	--	NA	NA
Petrochemical Feedstocks	--	--	29	4	-2	--	1	--	--	30
Naphtha for Petro. Feed. Use	--	--	17	2	-2	--	1	--	--	17
Other Oils for Petro. Feed. Use	--	--	11	2	--	--	-1	--	--	14
Special Naphthas	--	--	0	0	0	--	0	--	--	0
Lubricants	--	--	7	5	7	--	-1	--	7	13
Waxes	--	--	1	0	--	--	0	--	1	0
Petroleum Coke	--	--	170	1	-35	--	-9	--	1	143
Marketable	--	--	124	1	-35	--	-9	--	1	98
Catalyst	--	--	46	--	--	--	--	--	--	46
Asphalt and Road Oil	--	--	154	17	-21	--	-45	--	7	188
Still Gas	--	--	133	--	--	--	--	--	--	133
Miscellaneous Products	--	--	13	--	-1	--	0	--	0	13
<b>Total</b>	<b>2,858</b>	<b>957</b>	<b>4,319</b>	<b>2,560</b>	<b>-1,225</b>	<b>-186</b>	<b>-187</b>	<b>4,105</b>	<b>633</b>	<b>4,732</b>

-- = Not Applicable.

NA = No Data Reported.

NA = Not Available.

<sup>1</sup> Represents the PAD District in which the material entered the United States and not necessarily where the crude oil or product is processed and/or consumed.

<sup>2</sup> Net receipts equal gross receipts minus gross shipments by pipeline, tanker, and barge. Receipts and shipments by rail are included for crude oil, propane, normal butane, isobutane, propylene, ethanol, biodiesel, marketable petroleum coke, and asphalt and road oil.

<sup>3</sup> Includes an adjustment for crude oil, previously referred to as 'Unaccounted For Crude Oil.' Also included is an adjustment for motor gasoline blending components, fuel ethanol, and distillate fuel oil. See Appendix B, Note 2C for a detailed explanation of these adjustments.

<sup>4</sup> A negative number indicates a decrease in stocks and a positive number indicates an increase in stocks. Stock change for crude oil excludes lease stocks beginning with January 2005 (see explanatory notes).

<sup>5</sup> Product supplied is equal to field production, plus renewable fuels and oxygenate plant net production, plus refinery and blender net production, plus imports, plus net receipts, plus adjustments, minus stock change, minus refinery and blender net inputs, minus exports.

Notes: Totals may not equal sum of components due to independent rounding. Domestic crude oil field production are estimates.

Sources: Energy Information Administration (EIA) Forms EIA-22M "Monthly Biodiesel Production Survey", Forms EIA-810, "Monthly Refinery Report," EIA-812, "Monthly Product Pipeline Report," EIA-813, "Monthly Crude Oil Report," EIA-814, "Monthly Imports Report," EIA-815, "Monthly Bulk Terminal Report," EIA-816, "Monthly Natural Gas Liquids Report," EIA-817, "Monthly Tanker and Barge Movements Report," and EIA-819, "Monthly Oxygenate Report." Domestic crude oil field production estimates based on Form EIA-914, "Monthly Crude Oil and Lease Condensate, and Natural Gas Production Report," and data from State conservation agencies, U.S. Department of Interior, and the Bureau of Ocean Energy Management. Export data from the U.S. Census Bureau and EIA estimates. Rail net receipts estimates based on EIA analysis of data from the Surface Transportation Board and other information.



**Table 12. PAD District 2 - Year-to-Date Daily Average Supply and Disposition of Crude Oil and Petroleum Products, January-September 2020**  
(Thousand Barrels per Day)

Commodity	Supply						Disposition			
	Field Production	Renewable Fuels and Oxygenate Plant Net Production	Refinery and Blender Net Production	Imports (PADD of Entry) <sup>1</sup>	Net Receipts <sup>2</sup>	Adjustments <sup>3</sup>	Stock Change <sup>4</sup>	Refinery and Blender Net Inputs	Exports	Products Supplied <sup>5</sup>
<b>Crude Oil</b>	<b>1,850</b>	<b>--</b>	<b>--</b>	<b>2,629</b>	<b>-736</b>	<b>-75</b>	<b>52</b>	<b>3,453</b>	<b>161</b>	<b>0</b>
<b>Hydrocarbon Gas Liquids</b>	<b>998</b>	<b>-17</b>	<b>125</b>	<b>58</b>	<b>-483</b>	<b>--</b>	<b>70</b>	<b>78</b>	<b>308</b>	<b>226</b>
Natural Gas Liquids	998	-17	83	52	-460	--	68	78	308	203
Ethane	340	--	--	--	-122	--	3	--	95	121
Propane	358	--	70	39	-330	--	23	--	6	108
Normal Butane	119	--	20	7	-115	--	36	15	7	-28
Isobutane	64	--	-6	5	-2	--	3	44	0	14
Natural Gasoline	116	-17	--	0	109	--	3	18	200	-13
Refinery Olefins	--	--	42	7	-23	--	2	--	--	23
Ethylene	--	--	--	--	--	--	--	--	--	--
Propylene	--	--	39	5	-23	--	0	--	--	21
Normal Butylene	--	--	3	2	--	--	2	--	--	2
Isobutylene	--	--	--	--	--	--	0	--	--	0
<b>Other Liquids</b>	<b>--</b>	<b>918</b>	<b>--</b>	<b>13</b>	<b>-400</b>	<b>-98</b>	<b>-35</b>	<b>427</b>	<b>73</b>	<b>-32</b>
Hydrogen/Oxygenates/Renewables/Other Hydrocarbons	--	918	--	3	-594	-37	-5	270	24	0
Hydrogen	--	--	--	--	--	37	--	37	--	0
Oxygenates (excluding Fuel Ethanol)	--	--	--	--	--	--	--	--	--	--
Renewable Fuels (including Fuel Ethanol)	--	918	--	3	-594	-75	-5	233	24	0
Fuel Ethanol	--	834	--	--	-569	-34	-5	218	17	0
Renewable Fuels Except Fuel Ethanol	--	84	--	3	-25	-41	0	15	7	0
Other Hydrocarbons	--	--	--	--	--	1	0	1	--	0
Unfinished Oils	--	--	--	2	-11	--	0	-22	45	-32
Motor Gasoline Blend Comp. (MGBIC)	--	0	--	8	205	-60	-30	179	4	0
Reformulated	--	0	--	--	54	-19	-3	38	0	0
Conventional	--	0	--	8	151	-41	-27	141	4	0
Aviation Gasoline Blend. Comp.	--	--	--	--	--	--	--	--	--	--
<b>Finished Petroleum Products</b>	<b>--</b>	<b>2</b>	<b>4,037</b>	<b>34</b>	<b>56</b>	<b>135</b>	<b>-4</b>	<b>--</b>	<b>36</b>	<b>4,233</b>
Finished Motor Gasoline	--	2	2,267	0	-1	95	-2	--	7	2,358
Reformulated	--	--	298	--	--	26	--	--	--	324
Conventional	--	2	1,969	0	-1	69	-2	--	7	2,034
Finished Aviation Gasoline	--	--	1	0	0	--	0	--	--	1
Kerosene-Type Jet Fuel	--	--	176	--	38	--	1	--	3	210
Kerosene	--	--	3	--	0	--	-1	--	0	3
Distillate Fuel Oil	--	--	1,058	7	92	41	2	--	4	1,191
15 ppm sulfur and under	--	--	1,060	6	89	41	3	--	0	1,192
Greater than 15 ppm to 500 ppm sulfur	--	--	3	--	3	--	-1	--	1	6
Greater than 500 ppm sulfur	--	--	-5	0	0	--	0	--	4	-7
Residual Fuel Oil	--	--	30	3	-21	--	0	--	6	6
Less than 0.31 percent sulfur	--	--	2	--	-1	--	-1	--	NA	NA
0.31 to 1.00 percent sulfur	--	--	12	1	-11	--	1	--	NA	NA
Greater than 1.00 percent sulfur	--	--	17	2	-8	--	0	--	NA	NA
Petrochemical Feedstocks	--	--	27	5	-2	--	0	--	--	29
Naphtha for Petro. Feed. Use	--	--	15	3	-2	--	0	--	--	16
Other Oils for Petro. Feed. Use	--	--	11	2	0	--	0	--	--	14
Special Naphthas	--	--	0	0	1	--	0	--	--	1
Lubricants	--	--	5	4	6	--	0	--	6	10
Waxes	--	--	1	0	--	--	0	--	1	0
Petroleum Coke	--	--	174	1	-32	--	0	--	6	137
Marketable	--	--	132	1	-32	--	0	--	6	95
Catalyst	--	--	42	--	--	--	--	--	--	42
Asphalt and Road Oil	--	--	150	14	-22	--	-3	--	3	142
Still Gas	--	--	131	--	--	--	--	--	--	131
Miscellaneous Products	--	--	15	--	-1	--	0	--	0	14
<b>Total</b>	<b>2,847</b>	<b>904</b>	<b>4,163</b>	<b>2,734</b>	<b>-1,563</b>	<b>-37</b>	<b>83</b>	<b>3,958</b>	<b>579</b>	<b>4,428</b>

-- = Not Applicable.

NA = No Data Reported.

NA = Not Available.

<sup>1</sup> Represents the PAD District in which the material entered the United States and not necessarily where the crude oil or product is processed and/or consumed.

<sup>2</sup> Net receipts equal gross receipts minus gross shipments by pipeline, tanker, and barge. Receipts and shipments by rail are included for crude oil, propane, normal butane, isobutane, propylene, ethanol, biodiesel, marketable petroleum coke, and asphalt and road oil.

<sup>3</sup> Includes an adjustment for crude oil, previously referred to as 'Unaccounted For Crude Oil.' Also included is an adjustment for motor gasoline blending components, fuel ethanol, and distillate fuel oil. See Appendix B, Note 2C for a detailed explanation of these adjustments.

<sup>4</sup> A negative number indicates a decrease in stocks and a positive number indicates an increase in stocks. Stock change for crude oil excludes lease stocks beginning with January 2005 (see explanatory notes).

<sup>5</sup> Product supplied is equal to field production, plus renewable fuels and oxygenate plant net production, plus refinery and blender net production, plus imports, plus net receipts, plus adjustments, minus stock change, minus refinery and blender net inputs, minus exports.

Notes: Totals may not equal sum of components due to independent rounding. Domestic crude oil field production are estimates.

Sources: Energy Information Administration (EIA) Forms EIA-22M "Monthly Biodiesel Production Survey", Forms EIA-810, "Monthly Refinery Report," EIA-812, "Monthly Product Pipeline Report," EIA-813, "Monthly Crude Oil Report," EIA-814, "Monthly Imports Report," EIA-815, "Monthly Bulk Terminal Report," EIA-816, "Monthly Natural Gas Liquids Report," EIA-817, "Monthly Tanker and Barge Movements Report," and EIA-819, "Monthly Oxygenate Report." Domestic crude oil field production estimates based on Form EIA-914, "Monthly Crude Oil and Lease Condensate, and Natural Gas Production Report," and data from State conservation agencies, U.S. Department of Interior, and the Bureau of Ocean Energy Management. Export data from the U.S. Census Bureau and EIA estimates. Rail net receipts estimates based on EIA analysis of data from the Surface Transportation Board and other information.

**Table 13. PAD District 3 - Supply, Disposition, and Ending Stocks of Crude Oil and Petroleum Products, September 2020**  
(Thousand Barrels)

Commodity	Supply						Disposition				
	Field Production	Renewable Fuels and Oxygenate Plant Net Production	Refinery and Blender Net Production	Imports (PADD of Entry) <sup>1</sup>	Net Receipts <sup>2</sup>	Adjustments <sup>3</sup>	Stock Change <sup>4</sup>	Refinery and Blender Net Inputs	Exports	Products Supplied <sup>5</sup>	Ending Stocks
<b>Crude Oil<sup>6</sup></b>	<b>219,144</b>	<b>--</b>	<b>--</b>	<b>36,543</b>	<b>19,014</b>	<b>13,066</b>	<b>-7,533</b>	<b>209,989</b>	<b>85,311</b>	<b>0</b>	<b>912,559</b>
<b>Hydrocarbon Gas Liquids</b>	<b>92,792</b>	<b>-11</b>	<b>10,991</b>	<b>--</b>	<b>27,089</b>	<b>--</b>	<b>15,273</b>	<b>9,415</b>	<b>41,890</b>	<b>64,283</b>	<b>204,190</b>
Natural Gas Liquids	92,792	-11	5,023	--	26,574	--	17,169	9,415	41,890	55,904	201,651
Ethane	41,123	--	132	--	13,630	--	12,145	--	2,294	40,446	64,080
Propane	27,474	--	4,005	--	9,636	--	3,905	--	30,891	6,319	58,609
Normal Butane	5,530	--	1,322	--	3,550	--	2,779	3,026	8,568	-3,971	42,548
Isobutane	9,016	--	-436	--	883	--	396	3,565	51	5,451	10,341
Natural Gasoline	9,649	-11	--	--	-1,125	--	-2,056	2,824	86	7,659	26,073
Refinery Olefins	--	--	5,968	--	515	--	-1,896	--	--	8,379	2,539
Ethylene	--	--	5	--	--	--	0	--	--	5	0
Propylene	--	--	6,184	--	515	--	-160	--	--	6,859	1,006
Normal Butylene	--	--	-185	--	--	--	-1,736	--	--	1,551	1,533
Isobutylene	--	--	-36	--	--	--	0	--	--	-36	0
<b>Other Liquids</b>	<b>--</b>	<b>1,118</b>	<b>--</b>	<b>13,766</b>	<b>-53,479</b>	<b>1,498</b>	<b>-8,825</b>	<b>-37,897</b>	<b>9,898</b>	<b>-273</b>	<b>121,852</b>
Hydrogen/Oxygenates/Renewables/Other Hydrocarbons	--	1,118	--	22	4,512	2,522	-470	7,548	1,096	0	5,002
Hydrogen	--	--	--	--	--	3,087	--	3,087	--	0	--
Oxygenates (excluding Fuel Ethanol)	--	--	--	--	--	--	--	--	--	--	--
Renewable Fuels (including Fuel Ethanol)	--	1,118	--	3	4,512	-546	-470	4,461	1,096	0	5,002
Fuel Ethanol	--	449	--	--	4,560	-293	-491	4,200	1,007	0	3,286
Renewable Fuels Except Fuel Ethanol	--	669	--	3	-49	-253	21	261	88	0	1,716
Other Hydrocarbons	--	--	--	19	--	-19	--	--	--	0	--
Unfinished Oils	--	--	--	12,330	105	--	-10	5,102	7,609	-266	45,216
Motor Gasoline Blend.Comp. (MGBC)	--	--	--	1,414	-58,096	-1,024	-8,341	-50,558	1,193	0	71,608
Reformulated	--	--	--	--	-8,867	4,910	106	-4,069	6	0	10,231
Conventional	--	--	--	1,414	-49,229	-5,934	-8,447	-46,489	1,187	0	61,377
Aviation Gasoline Blend. Comp.	--	--	--	--	--	--	-4	11	--	-7	26
<b>Finished Petroleum Products</b>	<b>--</b>	<b>--</b>	<b>185,781</b>	<b>7,286</b>	<b>-33,634</b>	<b>1,999</b>	<b>-2,459</b>	<b>--</b>	<b>70,406</b>	<b>93,484</b>	<b>119,566</b>
Finished Motor Gasoline	--	--	61,626	--	-2,708	1,317	-1,336	--	21,919	39,652	8,068
Reformulated	--	--	12,044	--	--	-4,334	--	--	--	7,710	--
Conventional	--	--	49,582	--	-2,708	5,651	-1,336	--	21,919	31,941	8,068
Finished Aviation Gasoline	--	--	270	31	-80	--	31	--	--	190	475
Kerosene-Type Jet Fuel	--	--	11,130	873	-6,959	--	1,206	--	1,096	2,742	14,662
Kerosene	--	--	297	--	-103	--	-33	--	407	-180	144
Distillate Fuel Oil	--	--	75,706	--	-24,113	682	-1,282	--	31,708	21,848	59,746
15 ppm sulfur and under	--	--	72,171	--	-23,433	682	-1,013	--	28,993	21,440	53,447
Greater than 15 ppm to 500 ppm sulfur	--	--	2,314	--	-125	--	-414	--	2,185	418	1,360
Greater than 500 ppm sulfur	--	--	1,221	--	-555	--	145	--	531	-10	4,939
Residual Fuel Oil	--	--	881	5,029	720	--	-1,233	--	3,512	4,351	16,977
Less than 0.31 percent sulfur	--	--	263	181	--	--	-367	--	NA	NA	1,573
0.31 to 1.00 percent sulfur	--	--	370	670	581	--	1,131	--	NA	NA	3,721
Greater than 1.00 percent sulfur	--	--	248	4,178	139	--	-1,997	--	NA	NA	11,683
Petrochemical Feedstocks	--	--	7,110	199	-55	--	81	--	--	7,173	2,288
Naphtha for Petro. Feed. Use	--	--	4,467	179	-55	--	108	--	--	4,483	1,636
Other Oils for Petro. Feed. Use	--	--	2,643	20	--	--	-27	--	--	2,690	652
Special Naphthas	--	--	979	154	-9	--	6	--	--	1,118	797
Lubricants	--	--	3,390	720	-653	--	-729	--	2,209	1,977	7,048
Waxes	--	--	120	15	--	--	-19	--	27	127	197
Petroleum Coke	--	--	11,648	241	665	--	852	--	9,179	2,524	3,826
Marketable	--	--	8,830	241	665	--	852	--	9,179	-294	3,826
Catalyst	--	--	2,818	--	--	--	--	--	--	2,818	--
Asphalt and Road Oil	--	--	1,991	24	-330	--	36	--	330	1,320	5,008
Still Gas	--	--	9,300	--	--	--	--	--	--	9,300	--
Miscellaneous Products	--	--	1,333	--	-10	--	-39	--	18	1,344	330
<b>Total</b>	<b>311,936</b>	<b>1,107</b>	<b>196,772</b>	<b>57,595</b>	<b>-41,011</b>	<b>16,563</b>	<b>-3,544</b>	<b>181,507</b>	<b>207,505</b>	<b>157,494</b>	<b>1,358,167</b>

-- = Not Applicable.

-- = No Data Reported.

NA = Not Available.

<sup>1</sup> Represents the PAD District in which the material entered the United States and not necessarily where the crude oil or product is processed and/or consumed.

<sup>2</sup> Net receipts equal gross receipts minus gross shipments by pipeline, tanker, and barge. Receipts and shipments by rail are included for crude oil, propane, normal butane, isobutane, propylene, ethanol, biodiesel, marketable petroleum coke, and asphalt and road oil.

<sup>3</sup> Includes an adjustment for crude oil, previously referred to as 'Unaccounted For Crude Oil.' Also included is an adjustment for motor gasoline blending components, fuel ethanol, and distillate fuel oil. See Appendix B, Note 2C for a detailed explanation of these adjustments.

<sup>4</sup> A negative number indicates a decrease in stocks and a positive number indicates an increase in stocks. Stock change for crude oil excludes lease stocks beginning with January 2005 (see explanatory notes).

<sup>5</sup> Product supplied is equal to field production, plus renewable fuels and oxygenate plant net production, plus refinery and blender net production, plus imports, plus net receipts, plus adjustments, minus stock change, minus refinery and blender net inputs, minus exports.

<sup>6</sup> Includes value for the Strategic Petroleum Reserve. See Table 25 for the breakout of Commercial Crude Oil.

Notes: Totals may not equal sum of components due to independent rounding. Domestic crude oil field production are estimates.

Sources: Energy Information Administration (EIA) Forms EIA-22M "Monthly Biodiesel Production Survey," Forms EIA-810, "Monthly Refinery Report," EIA-812, "Monthly Product Pipeline Report," EIA-813, "Monthly Crude Oil Report," EIA-814, "Monthly Imports Report," EIA-815, "Monthly Bulk Terminal Report," EIA-816, "Monthly Natural Gas Liquids Report," EIA-817, "Monthly Tanker and Barge Movements Report," and EIA-819, "Monthly Oxygenate Report." Domestic crude oil field production estimates based on Form EIA-914, "Monthly Crude Oil and Lease Condensate, and Natural Gas Production Report," and data from State conservation agencies, U.S. Department of Interior, and the Bureau of Ocean Energy Management. Export data from the U.S. Census Bureau and EIA estimates. Rail net receipts estimates based on EIA analysis of data from the Surface Transportation Board and other information.

**Table 14. PAD District 3 - Year-to-Date Supply, Disposition, and Ending Stocks of Crude Oil and Petroleum Products, January-September 2020**  
(Thousand Barrels)

Commodity	Supply						Disposition				
	Field Production	Renewable Fuels and Oxygenate Plant Net Production	Refinery and Blender Net Production	Imports (PADD of Entry) <sup>1</sup>	Net Receipts <sup>2</sup>	Adjustments <sup>3</sup>	Stock Change <sup>4</sup>	Refinery and Blender Net Inputs	Exports	Products Supplied <sup>5</sup>	Ending Stocks
<b>Crude Oil<sup>6</sup></b>	<b>2,142,035</b>	<b>--</b>	<b>--</b>	<b>444,790</b>	<b>279,045</b>	<b>129,280</b>	<b>56,487</b>	<b>2,119,551</b>	<b>819,112</b>	<b>0</b>	<b>912,559</b>
<b>Hydrocarbon Gas Liquids</b>	<b>817,493</b>	<b>-91</b>	<b>111,817</b>	<b>166</b>	<b>201,538</b>	<b>--</b>	<b>57,328</b>	<b>77,612</b>	<b>391,128</b>	<b>604,855</b>	<b>204,190</b>
Natural Gas Liquids	817,493	-91	59,163	35	198,198	--	57,048	77,612	391,128	549,010	201,651
Ethane	352,100	--	1,755	--	110,705	--	13,391	--	36,063	415,106	64,080
Propane	249,165	--	39,066	35	65,868	--	8,937	--	280,518	64,679	58,609
Normal Butane	51,941	--	21,690	--	27,283	--	16,412	24,224	73,166	-12,888	42,548
Isobutane	80,497	--	-3,348	--	7,844	--	1,862	31,399	807	50,925	10,341
Natural Gasoline	83,790	-91	--	--	-13,502	--	16,446	21,989	573	31,189	26,073
Refinery Olefins	--	--	52,654	131	3,340	--	280	--	--	55,845	2,539
Ethylene	--	--	73	--	--	--	0	--	--	73	--
Propylene	--	--	54,829	--	3,340	--	-218	--	--	58,387	1,006
Normal Butylene	--	--	-1,990	131	--	--	503	--	--	-2,362	1,533
Isobutylene	--	--	-258	--	--	--	-5	--	--	-253	0
<b>Other Liquids</b>	<b>--</b>	<b>9,472</b>	<b>--</b>	<b>136,117</b>	<b>-476,407</b>	<b>52,967</b>	<b>-15,366</b>	<b>-381,612</b>	<b>87,765</b>	<b>31,363</b>	<b>121,852</b>
Hydrogen/Oxygenates/Renewables/Other Hydrocarbons	--	9,472	--	346	45,238	31,988	-549	71,042	16,551	0	5,002
Hydrogen	--	--	--	--	--	32,060	--	32,060	--	0	--
Oxygenates (excluding Fuel Ethanol)	--	--	--	--	--	--	--	--	--	--	--
Renewable Fuels (including Fuel Ethanol)	--	9,472	--	273	45,238	1	-549	38,982	16,551	0	5,002
Fuel Ethanol	--	4,158	--	--	44,884	2,942	-677	36,533	16,127	0	3,286
Renewable Fuels Except Fuel Ethanol	--	5,314	--	273	355	-2,941	128	2,449	424	0	1,716
Other Hydrocarbons	--	--	--	73	--	-73	--	--	--	0	--
Unfinished Oils	--	--	--	123,711	2,340	--	-4,020	41,085	57,470	31,516	45,216
Motor Gasoline Blend.Comp. (MGBC)	--	--	--	12,060	-523,985	20,980	-10,781	-493,908	13,744	0	71,608
Reformulated	--	--	--	--	-101,856	41,552	-756	-60,085	537	0	10,231
Conventional	--	--	--	12,060	-422,129	-20,572	-10,025	-433,823	13,207	0	61,377
Aviation Gasoline Blend. Comp.	--	--	--	--	--	--	-16	169	--	-153	26
<b>Finished Petroleum Products</b>	<b>--</b>	<b>--</b>	<b>1,845,035</b>	<b>48,745</b>	<b>-389,479</b>	<b>-18,726</b>	<b>9,204</b>	<b>--</b>	<b>667,605</b>	<b>808,766</b>	<b>119,566</b>
Finished Motor Gasoline	--	--	548,059	189	-27,393	-23,921	-1,331	--	169,853	328,411	8,068
Reformulated	--	--	106,780	--	--	-38,399	--	--	--	68,381	--
Conventional	--	--	441,279	189	-27,393	14,478	-1,331	--	169,853	260,030	8,068
Finished Aviation Gasoline	--	--	2,127	127	-723	--	-85	--	--	1,616	475
Kerosene-Type Jet Fuel	--	--	145,880	2,511	-90,076	--	285	--	21,991	36,039	14,662
Kerosene	--	--	1,333	--	-1,376	--	-139	--	580	-484	144
Distillate Fuel Oil	--	--	777,352	38	-272,493	5,195	15,389	--	303,510	191,193	59,746
15 ppm sulfur and under	--	--	719,877	38	-262,536	5,195	16,911	--	257,099	188,564	53,447
Greater than 15 ppm to 500 ppm sulfur	--	--	27,365	--	-1,747	--	-717	--	25,488	847	1,360
Greater than 500 ppm sulfur	--	--	30,110	--	-8,210	--	-805	--	20,924	1,781	4,939
Residual Fuel Oil	--	--	17,404	29,741	4,445	--	-632	--	32,268	19,954	16,977
Less than 0.31 percent sulfur	--	--	7,386	574	-738	--	-60	--	NA	NA	1,573
0.31 to 1.00 percent sulfur	--	--	4,826	2,984	2,972	--	945	--	NA	NA	3,721
Greater than 1.00 percent sulfur	--	--	5,192	26,183	2,211	--	-1,517	--	NA	NA	11,683
Petrochemical Feedstocks	--	--	64,588	2,988	567	--	-293	--	--	68,436	2,288
Naphtha for Petro. Feed. Use	--	--	41,249	2,707	536	--	-86	--	--	44,578	1,636
Other Oils for Petro. Feed. Use	--	--	23,339	281	31	--	-207	--	--	23,858	652
Special Naphthas	--	--	8,166	3,532	-139	--	-173	--	--	11,732	797
Lubricants	--	--	31,388	6,865	-6,004	--	-2,648	--	19,276	15,621	7,048
Waxes	--	--	776	273	--	--	-79	--	322	806	197
Petroleum Coke	--	--	120,768	2,359	6,151	--	-1,229	--	114,899	15,608	3,826
Marketable	--	--	94,264	2,359	6,151	--	-1,229	--	114,899	-10,896	3,826
Catalyst	--	--	26,504	--	--	--	--	--	--	26,504	--
Asphalt and Road Oil	--	--	21,541	122	-2,414	--	218	--	4,694	14,337	5,008
Still Gas	--	--	92,113	--	--	--	--	--	--	92,113	--
Miscellaneous Products	--	--	13,540	--	-24	--	-79	--	212	13,383	330
<b>Total</b>	<b>2,959,528</b>	<b>9,381</b>	<b>1,956,852</b>	<b>629,818</b>	<b>-385,302</b>	<b>163,521</b>	<b>107,653</b>	<b>1,815,551</b>	<b>1,965,609</b>	<b>1,444,984</b>	<b>1,358,167</b>

-- = Not Applicable.

-- = No Data Reported.

NA = Not Available.

<sup>1</sup> Represents the PAD District in which the material entered the United States and not necessarily where the crude oil or product is processed and/or consumed.

<sup>2</sup> Net receipts equal gross receipts minus gross shipments by pipeline, tanker, and barge. Receipts and shipments by rail are included for crude oil, propane, normal butane, isobutane, propylene, ethanol, biodiesel, marketable petroleum coke, and asphalt and road oil.

<sup>3</sup> Includes an adjustment for crude oil, previously referred to as 'Unaccounted For Crude Oil.' Also included is an adjustment for motor gasoline blending components, fuel ethanol, and distillate fuel oil. See Appendix B, Note 2C for a detailed explanation of these adjustments.

<sup>4</sup> A negative number indicates a decrease in stocks and a positive number indicates an increase in stocks. Stock change for crude oil excludes lease stocks beginning with January 2005 (see explanatory notes).

<sup>5</sup> Product supplied is equal to field production, plus renewable fuels and oxygenate plant net production, plus refinery and blender net production, plus imports, plus net receipts, plus adjustments, minus stock change, minus refinery and blender net inputs, minus exports.

<sup>6</sup> Includes value for the Strategic Petroleum Reserve. See Table 25 for the breakout of Commercial Crude Oil.

Notes: Totals may not equal sum of components due to independent rounding. Domestic crude oil field production are estimates.

Sources: Energy Information Administration (EIA) Forms EIA-22M "Monthly Biodiesel Production Survey," Forms EIA-810, "Monthly Refinery Report," EIA-812, "Monthly Product Pipeline Report," EIA-813, "Monthly Crude Oil Report," EIA-814, "Monthly Imports Report," EIA-815, "Monthly Bulk Terminal Report," EIA-816, "Monthly Natural Gas Liquids Report," EIA-817, "Monthly Tanker and Barge Movements Report," and EIA-819, "Monthly Oxygenate Report." Domestic crude oil field production estimates based on Form EIA-914, "Monthly Crude Oil and Lease Condensate, and Natural Gas Production Report," and data from State conservation agencies, U.S. Department of Interior, and the Bureau of Ocean Energy Management. Export data from the U.S. Census Bureau and EIA estimates. Rail net receipts estimates based on EIA analysis of data from the Surface Transportation Board and other information.

**Table 15. PAD District 3 - Daily Average Supply and Disposition of Crude Oil and Petroleum Products, September 2020**  
(Thousand Barrels per Day)

Commodity	Supply						Disposition			
	Field Production	Renewable Fuels and Oxygenate Plant Net Production	Refinery and Blender Net Production	Imports (PADD of Entry) <sup>1</sup>	Net Receipts <sup>2</sup>	Adjustments <sup>3</sup>	Stock Change <sup>4</sup>	Refinery and Blender Net Inputs	Exports	Products Supplied <sup>5</sup>
<b>Crude Oil<sup>6</sup></b>	<b>7,305</b>	<b>--</b>	<b>--</b>	<b>1,218</b>	<b>634</b>	<b>436</b>	<b>-251</b>	<b>7,000</b>	<b>2,844</b>	<b>0</b>
<b>Hydrocarbon Gas Liquids</b>	<b>3,093</b>	<b>0</b>	<b>366</b>	<b>--</b>	<b>903</b>	<b>--</b>	<b>509</b>	<b>314</b>	<b>1,396</b>	<b>2,143</b>
Natural Gas Liquids	3,093	0	167	--	886	--	572	314	1,396	1,863
Ethane	1,371	--	4	--	454	--	405	--	76	1,348
Propane	916	--	134	--	321	--	130	--	1,030	211
Normal Butane	184	--	44	--	118	--	93	101	286	-132
Isobutane	301	--	-15	--	29	--	13	119	2	182
Natural Gasoline	322	0	--	--	-38	--	-69	94	3	255
Refinery Olefins	--	--	199	--	17	--	-63	--	--	279
Ethylene	--	--	0	--	--	--	0	--	--	0
Propylene	--	--	206	--	17	--	-5	--	--	229
Normal Butylene	--	--	-6	--	--	--	-58	--	--	52
Isobutylene	--	--	-1	--	--	--	0	--	--	-1
<b>Other Liquids</b>	<b>--</b>	<b>37</b>	<b>--</b>	<b>459</b>	<b>-1,783</b>	<b>50</b>	<b>-294</b>	<b>-1,263</b>	<b>330</b>	<b>-9</b>
Hydrogen/Oxygenates/Renewables/Other Hydrocarbons	--	37	--	1	150	84	-16	252	37	0
Hydrogen	--	--	--	--	--	103	--	103	--	0
Oxygenates (excluding Fuel Ethanol)	--	--	--	--	--	--	--	--	--	--
Renewable Fuels (including Fuel Ethanol)	--	37	--	0	150	-18	-16	149	37	0
Fuel Ethanol	--	15	--	--	152	-10	-16	140	34	0
Renewable Fuels Except Fuel Ethanol	--	22	--	0	-2	-8	1	9	3	0
Other Hydrocarbons	--	--	--	1	--	-1	--	--	--	0
Unfinished Oils	--	--	--	411	4	--	0	170	254	-9
Motor Gasoline Blend Comp. (MGBC)	--	--	--	47	-1,937	-34	-278	-1,685	40	0
Reformulated	--	--	--	--	-296	164	4	-136	0	0
Conventional	--	--	--	47	-1,641	-198	-282	-1,550	40	0
Aviation Gasoline Blend. Comp.	--	--	--	--	--	--	0	0	--	0
<b>Finished Petroleum Products</b>	<b>--</b>	<b>--</b>	<b>6,193</b>	<b>243</b>	<b>-1,121</b>	<b>67</b>	<b>-82</b>	<b>--</b>	<b>2,347</b>	<b>3,116</b>
Finished Motor Gasoline	--	--	2,054	--	-90	44	-45	--	731	1,322
Reformulated	--	--	401	--	--	-144	--	--	--	257
Conventional	--	--	1,653	--	-90	188	-45	--	731	1,065
Finished Aviation Gasoline	--	--	9	1	-3	--	1	--	--	6
Kerosene-Type Jet Fuel	--	--	371	29	-232	--	40	--	37	91
Kerosene	--	--	10	--	-3	--	-1	--	14	-6
Distillate Fuel Oil	--	--	2,524	--	-804	23	-43	--	1,057	728
15 ppm sulfur and under	--	--	2,406	--	-781	23	-34	--	966	715
Greater than 15 ppm to 500 ppm sulfur	--	--	77	--	-4	--	-14	--	73	14
Greater than 500 ppm sulfur	--	--	41	--	-19	--	5	--	18	0
Residual Fuel Oil	--	--	29	168	24	--	-41	--	117	145
Less than 0.31 percent sulfur	--	--	9	6	--	--	-12	--	NA	NA
0.31 to 1.00 percent sulfur	--	--	12	22	19	--	38	--	NA	NA
Greater than 1.00 percent sulfur	--	--	8	139	5	--	-67	--	NA	NA
Petrochemical Feedstocks	--	--	237	7	-2	--	3	--	--	239
Naphtha for Petro. Feed. Use	--	--	149	6	-2	--	4	--	--	149
Other Oils for Petro. Feed. Use	--	--	88	1	--	--	-1	--	--	90
Special Naphthas	--	--	33	5	0	--	0	--	--	37
Lubricants	--	--	113	24	-22	--	-24	--	74	66
Waxes	--	--	4	1	--	--	-1	--	1	4
Petroleum Coke	--	--	388	8	22	--	28	--	306	84
Marketable	--	--	294	8	22	--	28	--	306	-10
Catalyst	--	--	94	--	--	--	--	--	--	94
Asphalt and Road Oil	--	--	66	1	-11	--	1	--	11	44
Still Gas	--	--	310	--	--	--	--	--	--	310
Miscellaneous Products	--	--	44	--	0	--	-1	--	1	45
<b>Total</b>	<b>10,398</b>	<b>37</b>	<b>6,559</b>	<b>1,920</b>	<b>-1,367</b>	<b>552</b>	<b>-118</b>	<b>6,050</b>	<b>6,917</b>	<b>5,250</b>

-- = Not Applicable.

-- = No Data Reported.

NA = Not Available.

<sup>1</sup> Represents the PAD District in which the material entered the United States and not necessarily where the crude oil or product is processed and/or consumed.

<sup>2</sup> Net receipts equal gross receipts minus gross shipments by pipeline, tanker, and barge. Receipts and shipments by rail are included for crude oil, propane, normal butane, isobutane, propylene, ethanol, biodiesel, marketable petroleum coke, and asphalt and road oil.

<sup>3</sup> Includes an adjustment for crude oil, previously referred to as 'Unaccounted For Crude Oil.' Also included is an adjustment for motor gasoline blending components, fuel ethanol, and distillate fuel oil. See Appendix B, Note 2C for a detailed explanation of these adjustments.

<sup>4</sup> A negative number indicates a decrease in stocks and a positive number indicates an increase in stocks. Stock change for crude oil excludes lease stocks beginning with January 2005 (see explanatory notes).

<sup>5</sup> Product supplied is equal to field production, plus renewable fuels and oxygenate plant net production, plus refinery and blender net production, plus imports, plus net receipts, plus adjustments, minus stock change, minus refinery and blender net inputs, minus exports.

<sup>6</sup> Includes value for the Strategic Petroleum Reserve. See Table 25 for the breakout of Commercial Crude Oil.

Notes: Totals may not equal sum of components due to independent rounding. Domestic crude oil field production are estimates.

Sources: Energy Information Administration (EIA) Forms EIA-22M "Monthly Biodiesel Production Survey", Forms EIA-810, "Monthly Refinery Report," EIA-812, "Monthly Product Pipeline Report," EIA-813, "Monthly Crude Oil Report," EIA-814, "Monthly Imports Report," EIA-815, "Monthly Bulk Terminal Report," EIA-816, "Monthly Natural Gas Liquids Report," EIA-817, "Monthly Tanker and Barge Movements Report," and EIA-819, "Monthly Oxygenate Report." Domestic crude oil field production estimates based on Form EIA-914, "Monthly Crude Oil and Lease Condensate, and Natural Gas Production Report," and data from State conservation agencies, U.S. Department of Interior, and the Bureau of Ocean Energy Management. Export data from the U.S. Census Bureau and EIA estimates. Rail net receipts estimates based on EIA analysis of data from the Surface Transportation Board and other information.

**Table 16. PAD District 3 - Year-to-Date Daily Average Supply and Disposition of Crude Oil and Petroleum Products, January-September 2020**  
(Thousand Barrels per Day)

Commodity	Supply						Disposition			
	Field Production	Renewable Fuels and Oxygenate Plant Net Production	Refinery and Blender Net Production	Imports (PADD of Entry) <sup>1</sup>	Net Receipts <sup>2</sup>	Adjustments <sup>3</sup>	Stock Change <sup>4</sup>	Refinery and Blender Net Inputs	Exports	Products Supplied <sup>5</sup>
<b>Crude Oil<sup>6</sup></b> .....	<b>7,818</b>	<b>--</b>	<b>--</b>	<b>1,623</b>	<b>1,018</b>	<b>472</b>	<b>206</b>	<b>7,736</b>	<b>2,989</b>	<b>0</b>
<b>Hydrocarbon Gas Liquids</b> .....	<b>2,984</b>	<b>0</b>	<b>408</b>	<b>1</b>	<b>736</b>	<b>--</b>	<b>209</b>	<b>283</b>	<b>1,427</b>	<b>2,208</b>
Natural Gas Liquids .....	2,984	0	216	0	723	--	208	283	1,427	2,004
Ethane .....	1,285	--	6	--	404	--	49	--	132	1,515
Propane .....	909	--	143	0	240	--	33	--	1,024	236
Normal Butane .....	190	--	79	--	100	--	60	88	267	-47
Isobutane .....	294	--	-12	--	29	--	7	115	3	186
Natural Gasoline .....	306	0	--	--	-49	--	60	80	2	114
Refinery Olefins .....	--	--	192	0	12	--	1	--	--	204
Ethylene .....	--	--	0	--	--	--	0	--	--	0
Propylene .....	--	--	200	--	12	--	-1	--	--	213
Normal Butylene .....	--	--	-7	0	--	--	2	--	--	-9
Isobutylene .....	--	--	-1	--	--	--	0	--	--	-1
<b>Other Liquids</b> .....	<b>--</b>	<b>35</b>	<b>--</b>	<b>497</b>	<b>-1,739</b>	<b>193</b>	<b>-56</b>	<b>-1,393</b>	<b>320</b>	<b>114</b>
Hydrogen/Oxygenates/Renewables/Other Hydrocarbons .....	--	35	--	1	165	117	-2	259	60	0
Hydrogen .....	--	--	--	--	--	117	--	117	--	0
Oxygenates (excluding Fuel Ethanol) .....	--	--	--	--	--	--	--	--	--	--
Renewable Fuels (including Fuel Ethanol) .....	--	35	--	1	165	0	-2	142	60	0
Fuel Ethanol .....	--	15	--	--	164	11	-2	133	59	0
Renewable Fuels Except Fuel Ethanol .....	--	19	--	1	1	-11	0	9	2	0
Other Hydrocarbons .....	--	--	--	0	--	0	--	--	--	0
Unfinished Oils .....	--	--	--	452	9	--	-15	150	210	115
Motor Gasoline Blend Comp. (MGBC) .....	--	--	--	44	-1,912	77	-39	-1,803	50	0
Reformulated .....	--	--	--	--	-372	152	-3	-219	2	0
Conventional .....	--	--	--	44	-1,541	-75	-37	-1,583	48	0
Aviation Gasoline Blend. Comp. ....	--	--	--	--	--	--	0	1	--	-1
<b>Finished Petroleum Products</b> .....	<b>--</b>	<b>--</b>	<b>6,734</b>	<b>178</b>	<b>-1,421</b>	<b>-68</b>	<b>34</b>	<b>--</b>	<b>2,437</b>	<b>2,952</b>
Finished Motor Gasoline .....	--	--	2,000	1	-100	-87	-5	--	620	1,199
Reformulated .....	--	--	390	--	--	-140	--	--	--	250
Conventional .....	--	--	1,611	1	-100	53	-5	--	620	949
Finished Aviation Gasoline .....	--	--	8	0	-3	--	0	--	--	6
Kerosene-Type Jet Fuel .....	--	--	532	9	-329	--	1	--	80	132
Kerosene .....	--	--	5	--	-5	--	-1	--	2	-2
Distillate Fuel Oil .....	--	--	2,837	0	-995	19	56	--	1,108	698
15 ppm sulfur and under .....	--	--	2,627	0	-958	19	62	--	938	688
Greater than 15 ppm to 500 ppm sulfur .....	--	--	100	--	-6	--	-3	--	93	3
Greater than 500 ppm sulfur .....	--	--	110	--	-30	--	-3	--	76	7
Residual Fuel Oil .....	--	--	64	109	16	--	-2	--	118	73
Less than 0.31 percent sulfur .....	--	--	27	2	-3	--	0	--	NA	NA
0.31 to 1.00 percent sulfur .....	--	--	18	11	11	--	3	--	NA	NA
Greater than 1.00 percent sulfur .....	--	--	19	96	8	--	-6	--	NA	NA
Petrochemical Feedstocks .....	--	--	236	11	2	--	-1	--	--	250
Naphtha for Petro. Feed. Use .....	--	--	151	10	2	--	0	--	--	163
Other Oils for Petro. Feed. Use .....	--	--	85	1	0	--	-1	--	--	87
Special Naphthas .....	--	--	30	13	-1	--	-1	--	--	43
Lubricants .....	--	--	115	25	-22	--	-10	--	70	57
Waxes .....	--	--	3	1	--	--	0	--	1	3
Petroleum Coke .....	--	--	441	9	22	--	-4	--	419	57
Marketable .....	--	--	344	9	22	--	-4	--	419	-40
Catalyst .....	--	--	97	--	--	--	--	--	--	97
Asphalt and Road Oil .....	--	--	79	0	-9	--	1	--	17	52
Still Gas .....	--	--	336	--	--	--	--	--	--	336
Miscellaneous Products .....	--	--	49	--	0	--	0	--	1	49
<b>Total</b> .....	<b>10,801</b>	<b>34</b>	<b>7,142</b>	<b>2,299</b>	<b>-1,406</b>	<b>597</b>	<b>393</b>	<b>6,626</b>	<b>7,174</b>	<b>5,274</b>

-- = Not Applicable.

-- = No Data Reported.

NA = Not Available.

<sup>1</sup> Represents the PAD District in which the material entered the United States and not necessarily where the crude oil or product is processed and/or consumed.

<sup>2</sup> Net receipts equal gross receipts minus gross shipments by pipeline, tanker, and barge. Receipts and shipments by rail are included for crude oil, propane, normal butane, isobutane, propylene, ethanol, biodiesel, marketable petroleum coke, and asphalt and road oil.

<sup>3</sup> Includes an adjustment for crude oil, previously referred to as 'Unaccounted For Crude Oil.' Also included is an adjustment for motor gasoline blending components, fuel ethanol, and distillate fuel oil. See Appendix B, Note 2C for a detailed explanation of these adjustments.

<sup>4</sup> A negative number indicates a decrease in stocks and a positive number indicates an increase in stocks. Stock change for crude oil excludes lease stocks beginning with January 2005 (see explanatory notes).

<sup>5</sup> Product supplied is equal to field production, plus renewable fuels and oxygenate plant net production, plus refinery and blender net production, plus imports, plus net receipts, plus adjustments, minus stock change, minus refinery and blender net inputs, minus exports.

<sup>6</sup> Includes value for the Strategic Petroleum Reserve. See Table 25 for the breakout of Commercial Crude Oil.

Notes: Totals may not equal sum of components due to independent rounding. Domestic crude oil field production are estimates.

Sources: Energy Information Administration (EIA) Forms EIA-22M "Monthly Biodiesel Production Survey", Forms EIA-810, "Monthly Refinery Report," EIA-812, "Monthly Product Pipeline Report," EIA-813, "Monthly Crude Oil Report," EIA-814, "Monthly Imports Report," EIA-815, "Monthly Bulk Terminal Report," EIA-816, "Monthly Natural Gas Liquids Report," EIA-817, "Monthly Tanker and Barge Movements Report," and EIA-819, "Monthly Oxygenate Report." Domestic crude oil field production estimates based on Form EIA-914, "Monthly Crude Oil and Lease Condensate, and Natural Gas Production Report," and data from State conservation agencies, U.S. Department of Interior, and the Bureau of Ocean Energy Management. Export data from the U.S. Census Bureau and EIA estimates. Rail net receipts estimates based on EIA analysis of data from the Surface Transportation Board and other information.



**Table 17. PAD District 4 - Supply, Disposition, and Ending Stocks of Crude Oil and Petroleum Products, September 2020**  
(Thousand Barrels)

Commodity	Supply						Disposition				Ending Stocks
	Field Production	Renewable Fuels and Oxygenate Plant Net Production	Refinery and Blender Net Production	Imports (PADD of Entry) <sup>1</sup>	Net Receipts <sup>2</sup>	Adjustments <sup>3</sup>	Stock Change <sup>4</sup>	Refinery and Blender Net Inputs	Exports	Products Supplied <sup>5</sup>	
<b>Crude Oil</b>	<b>24,100</b>	<b>--</b>	<b>--</b>	<b>11,996</b>	<b>-18,260</b>	<b>-1,319</b>	<b>-1,065</b>	<b>17,582</b>	<b>--</b>	<b>0</b>	<b>23,344</b>
<b>Hydrocarbon Gas Liquids</b>	<b>15,505</b>	<b>-7</b>	<b>334</b>	<b>342</b>	<b>-13,970</b>	<b>--</b>	<b>124</b>	<b>456</b>	<b>86</b>	<b>1,538</b>	<b>8,315</b>
Natural Gas Liquids	15,505	-7	248	342	-13,970	--	87	456	86	1,489	8,224
Ethane	4,649	--	--	--	-4,892	--	-69	--	--	-174	1,194
Propane	5,431	--	254	302	-4,535	--	86	--	1	1,365	3,205
Normal Butane	2,139	--	14	38	-1,803	--	81	163	22	122	2,664
Isobutane	985	--	-20	2	-887	--	1	173	--	-94	415
Natural Gasoline	2,301	-7	--	--	-1,853	--	-12	120	63	270	746
Refinery Olefins	--	--	86	--	--	--	37	--	--	49	91
Ethylene	--	--	--	--	--	--	--	--	--	--	--
Propylene	--	--	20	--	--	--	0	--	--	20	0
Normal Butylene	--	--	66	--	--	--	37	--	--	29	91
Isobutylene	--	--	--	--	--	--	0	--	--	0	0
<b>Other Liquids</b>	<b>--</b>	<b>282</b>	<b>--</b>	<b>185</b>	<b>853</b>	<b>-1,025</b>	<b>-133</b>	<b>340</b>	<b>47</b>	<b>41</b>	<b>8,876</b>
Hydrogen/Oxygenates/Renewables/Other Hydrocarbons	--	282	--	43	355	425	-51	1,109	47	0	452
Hydrogen	--	--	--	--	--	186	--	186	--	0	--
Oxygenates (excluding Fuel Ethanol)	--	--	--	--	--	--	--	--	--	--	--
Renewable Fuels (including Fuel Ethanol)	--	282	--	43	355	239	-51	923	47	0	452
Fuel Ethanol	--	282	--	--	335	289	-5	866	45	0	378
Renewable Fuels Except Fuel Ethanol	--	--	--	43	20	-50	-46	57	2	0	74
Other Hydrocarbons	--	--	--	--	--	--	--	--	--	--	--
Unfinished Oils	--	--	--	--	--	--	-102	61	--	41	2,711
Motor Gasoline Blend.Comp. (MGBC)	--	--	--	142	498	-1,450	20	-830	0	0	5,713
Reformulated	--	--	--	--	--	--	--	--	--	--	--
Conventional	--	--	--	142	498	-1,450	20	-830	0	0	5,713
Aviation Gasoline Blend. Comp.	--	--	--	--	--	--	--	--	--	--	--
<b>Finished Petroleum Products</b>	<b>--</b>	<b>--</b>	<b>18,811</b>	<b>239</b>	<b>-999</b>	<b>1,164</b>	<b>-425</b>	<b>--</b>	<b>23</b>	<b>19,617</b>	<b>7,995</b>
Finished Motor Gasoline	--	--	9,148	--	-522	1,161	205	--	1	9,581	1,879
Reformulated	--	--	--	--	--	--	--	--	--	--	--
Conventional	--	--	9,148	--	-522	1,161	205	--	1	9,581	1,879
Finished Aviation Gasoline	--	--	7	2	--	--	2	--	--	7	6
Kerosene-Type Jet Fuel	--	--	781	--	275	--	-33	--	--	1,089	669
Kerosene	--	--	--	--	--	--	0	--	--	0	1
Distillate Fuel Oil	--	--	5,948	217	54	3	-164	--	--	6,386	3,873
15 ppm sulfur and under	--	--	5,872	217	54	3	-169	--	--	6,315	3,648
Greater than 15 ppm to 500 ppm sulfur	--	--	91	--	--	--	20	--	--	71	145
Greater than 500 ppm sulfur	--	--	-15	--	--	--	-15	--	--	0	80
Residual Fuel Oil	--	--	316	--	--	--	-45	--	4	357	190
Less than 0.31 percent sulfur	--	--	180	--	--	--	-3	--	NA	NA	27
0.31 to 1.00 percent sulfur	--	--	15	--	--	--	-9	--	NA	NA	3
Greater than 1.00 percent sulfur	--	--	121	--	--	--	-33	--	NA	NA	160
Petrochemical Feedstocks	--	--	--	--	--	--	--	--	--	--	--
Naphtha for Petro. Feed. Use	--	--	--	--	--	--	--	--	--	--	--
Other Oils for Petro. Feed. Use	--	--	--	--	--	--	--	--	--	--	--
Special Naphthas	--	--	--	--	--	--	--	--	--	--	--
Lubricants	--	--	--	--	--	--	--	--	11	-11	--
Waxes	--	--	--	--	--	--	--	--	0	0	--
Petroleum Coke	--	--	664	--	-220	--	-39	--	0	483	118
Marketable	--	--	452	--	-220	--	-39	--	0	271	118
Catalyst	--	--	212	--	--	--	--	--	--	212	--
Asphalt and Road Oil	--	--	1,211	19	-586	--	-353	--	6	991	1,240
Still Gas	--	--	603	--	--	--	--	--	--	603	--
Miscellaneous Products	--	--	133	1	--	--	2	--	--	132	19
<b>Total</b>	<b>39,605</b>	<b>275</b>	<b>19,145</b>	<b>12,762</b>	<b>-32,376</b>	<b>-1,180</b>	<b>-1,499</b>	<b>18,378</b>	<b>156</b>	<b>21,196</b>	<b>48,530</b>

-- = Not Applicable.

-- = No Data Reported.

NA = Not Available.

<sup>1</sup> Represents the PAD District in which the material entered the United States and not necessarily where the crude oil or product is processed and/or consumed.

<sup>2</sup> Net receipts equal gross receipts minus gross shipments by pipeline, tanker, and barge. Receipts and shipments by rail are included for crude oil, propane, normal butane, isobutane, propylene, ethanol, biodiesel, marketable petroleum coke, and asphalt and road oil.

<sup>3</sup> Includes an adjustment for crude oil, previously referred to as 'Unaccounted For Crude Oil.' Also included is an adjustment for motor gasoline blending components, fuel ethanol, and distillate fuel oil. See Appendix B, Note 2C for a detailed explanation of these adjustments.

<sup>4</sup> A negative number indicates a decrease in stocks and a positive number indicates an increase in stocks. Stock change for crude oil excludes lease stocks beginning with January 2005 (see explanatory notes).

<sup>5</sup> Product supplied is equal to field production, plus renewable fuels and oxygenate plant net production, plus refinery and blender net production, plus imports, plus net receipts, plus adjustments, minus stock change, minus refinery and blender net inputs, minus exports.

Notes: Totals may not equal sum of components due to independent rounding. Domestic crude oil field production are estimates.

Sources: Energy Information Administration (EIA) Forms EIA-22M "Monthly Biodiesel Production Survey", Forms EIA-810, "Monthly Refinery Report," EIA-812, "Monthly Product Pipeline Report," EIA-813, "Monthly Crude Oil Report," EIA-814, "Monthly Imports Report," EIA-815, "Monthly Bulk Terminal Report," EIA-816, "Monthly Natural Gas Liquids Report," EIA-817, "Monthly Tanker and Barge Movements Report," and EIA-819, "Monthly Oxygenate Report." Domestic crude oil field production estimates based on Form EIA-914, "Monthly Crude Oil and Lease Condensate, and Natural Gas Production Report," and data from State conservation agencies, U.S. Department of Interior, and the Bureau of Ocean Energy Management. Export data from the U.S. Census Bureau and EIA estimates. Rail net receipts estimates based on EIA analysis of data from the Surface Transportation Board and other information.

**Table 18. PAD District 4 - Year-to-Date Supply, Disposition, and Ending Stocks of Crude Oil and Petroleum Products, January-September 2020**  
(Thousand Barrels)

Commodity	Supply						Disposition				Ending Stocks
	Field Production	Renewable Fuels and Oxygenate Plant Net Production	Refinery and Blender Net Production	Imports (PADD of Entry) <sup>1</sup>	Net Receipts <sup>2</sup>	Adjustments <sup>3</sup>	Stock Change <sup>4</sup>	Refinery and Blender Net Inputs	Exports	Products Supplied <sup>5</sup>	
<b>Crude Oil</b>	<b>235,052</b>	<b>--</b>	<b>--</b>	<b>103,196</b>	<b>-170,027</b>	<b>-13,384</b>	<b>-336</b>	<b>154,959</b>	<b>214</b>	<b>0</b>	<b>23,344</b>
<b>Hydrocarbon Gas Liquids</b>	<b>135,534</b>	<b>-68</b>	<b>2,886</b>	<b>3,020</b>	<b>-93,241</b>	<b>--</b>	<b>4,463</b>	<b>4,224</b>	<b>878</b>	<b>38,566</b>	<b>8,315</b>
Natural Gas Liquids	135,534	-68	2,282	3,020	-93,241	--	4,447	4,224	878	37,978	8,224
Ethane	38,597	--	--	--	-31,534	--	638	--	--	6,425	1,194
Propane	48,781	--	2,063	2,583	-28,340	--	1,512	--	3	23,572	3,205
Normal Butane	19,022	--	441	358	-12,479	--	1,779	1,457	426	3,680	2,664
Isobutane	9,186	--	-222	79	-7,075	--	142	1,563	--	263	415
Natural Gasoline	19,948	-68	--	--	-13,813	--	376	1,204	449	4,038	746
Refinery Olefins	--	--	604	--	--	--	16	--	--	588	91
Ethylene	--	--	--	--	--	--	--	--	--	--	--
Propylene	--	--	69	--	--	--	0	--	--	69	0
Normal Butylene	--	--	535	--	--	--	16	--	--	519	91
Isobutylene	--	--	--	--	--	--	0	--	--	0	0
<b>Other Liquids</b>	<b>--</b>	<b>2,667</b>	<b>--</b>	<b>1,078</b>	<b>5,851</b>	<b>-7,057</b>	<b>-1,125</b>	<b>2,473</b>	<b>302</b>	<b>889</b>	<b>8,876</b>
Hydrogen/Oxygenates/Renewables/Other Hydrocarbons	--	2,667	--	343	3,096	3,737	-10	9,554	299	0	452
Hydrogen	--	--	--	--	--	1,837	--	1,837	--	0	--
Oxygenates (excluding Fuel Ethanol)	--	--	--	--	--	--	--	--	--	--	--
Renewable Fuels (including Fuel Ethanol)	--	2,667	--	343	3,096	1,900	-10	7,717	299	0	452
Fuel Ethanol	--	2,667	--	--	2,790	1,995	-22	7,255	219	0	378
Renewable Fuels Except Fuel Ethanol	--	0	--	343	306	-95	12	462	80	0	74
Other Hydrocarbons	--	--	--	--	--	--	--	--	--	--	--
Unfinished Oils	--	--	--	--	--	--	-470	-421	2	889	2,711
Motor Gasoline Blend.Comp. (MGBC)	--	--	--	735	2,755	-10,795	-645	-6,660	0	0	5,713
Reformulated	--	--	--	--	--	--	--	--	--	--	--
Conventional	--	--	--	735	2,755	-10,795	-645	-6,660	0	0	5,713
Aviation Gasoline Blend. Comp.	--	--	--	--	--	--	--	--	--	--	--
<b>Finished Petroleum Products</b>	<b>--</b>	<b>--</b>	<b>165,385</b>	<b>1,810</b>	<b>-10,745</b>	<b>8,904</b>	<b>-1,285</b>	<b>--</b>	<b>179</b>	<b>166,460</b>	<b>7,995</b>
Finished Motor Gasoline	--	--	77,458	26	-5,435	8,799	-42	--	8	80,882	1,879
Reformulated	--	--	--	--	--	--	--	--	--	--	--
Conventional	--	--	77,458	26	-5,435	8,799	-42	--	8	80,882	1,879
Finished Aviation Gasoline	--	--	43	2	--	--	-2	--	--	47	6
Kerosene-Type Jet Fuel	--	--	6,227	164	3,727	--	-40	--	--	10,158	669
Kerosene	--	--	2	--	--	--	0	--	--	2	1
Distillate Fuel Oil	--	--	54,259	1,354	-1,578	105	-775	--	0	54,915	3,873
15 ppm sulfur and under	--	--	53,567	1,354	-1,628	105	-775	--	0	54,173	3,648
Greater than 15 ppm to 500 ppm sulfur	--	--	700	--	50	--	7	--	--	743	145
Greater than 500 ppm sulfur	--	--	-8	--	--	--	-7	--	--	-1	80
Residual Fuel Oil	--	--	3,040	--	--	--	-67	--	54	3,053	190
Less than 0.31 percent sulfur	--	--	1,649	--	--	--	-6	--	NA	NA	27
0.31 to 1.00 percent sulfur	--	--	185	--	--	--	-14	--	NA	NA	3
Greater than 1.00 percent sulfur	--	--	1,206	--	--	--	-47	--	NA	NA	160
Petrochemical Feedstocks	--	--	--	--	--	--	--	--	--	--	--
Naphtha for Petro. Feed. Use	--	--	--	--	--	--	--	--	--	--	--
Other Oils for Petro. Feed. Use	--	--	--	--	--	--	--	--	--	--	--
Special Naphthas	--	--	--	--	--	--	--	--	--	--	--
Lubricants	--	--	--	--	--	--	--	--	84	-84	--
Waxes	--	--	--	--	--	--	--	--	2	-2	--
Petroleum Coke	--	--	6,157	--	-1,936	--	-71	--	1	4,292	118
Marketable	--	--	4,289	--	-1,936	--	-71	--	1	2,424	118
Catalyst	--	--	1,868	--	--	--	--	--	--	1,868	--
Asphalt and Road Oil	--	--	11,451	255	-5,523	--	-290	--	30	6,443	1,240
Still Gas	--	--	5,746	--	--	--	--	--	--	5,746	--
Miscellaneous Products	--	--	1,002	9	--	--	2	--	1	1,008	19
<b>Total</b>	<b>370,586</b>	<b>2,599</b>	<b>168,271</b>	<b>109,104</b>	<b>-268,162</b>	<b>-11,537</b>	<b>1,717</b>	<b>161,656</b>	<b>1,573</b>	<b>205,915</b>	<b>48,530</b>

-- = Not Applicable.

- = No Data Reported.

NA = Not Available.

<sup>1</sup> Represents the PAD District in which the material entered the United States and not necessarily where the crude oil or product is processed and/or consumed.

<sup>2</sup> Net receipts equal gross receipts minus gross shipments by pipeline, tanker, and barge. Receipts and shipments by rail are included for crude oil, propane, normal butane, isobutane, propylene, ethanol, biodiesel, marketable petroleum coke, and asphalt and road oil.

<sup>3</sup> Includes an adjustment for crude oil, previously referred to as 'Unaccounted For Crude Oil.' Also included is an adjustment for motor gasoline blending components, fuel ethanol, and distillate fuel oil. See Appendix B, Note 2C for a detailed explanation of these adjustments.

<sup>4</sup> A negative number indicates a decrease in stocks and a positive number indicates an increase in stocks. Stock change for crude oil excludes lease stocks beginning with January 2005 (see explanatory notes).

<sup>5</sup> Product supplied is equal to field production, plus renewable fuels and oxygenate plant net production, plus refinery and blender net production, plus imports, plus net receipts, plus adjustments, minus stock change, minus refinery and blender net inputs, minus exports.

Notes: Totals may not equal sum of components due to independent rounding. Domestic crude oil field production are estimates.

Sources: Energy Information Administration (EIA) Forms EIA-22M "Monthly Biodiesel Production Survey", Forms EIA-810, "Monthly Refinery Report," EIA-812, "Monthly Product Pipeline Report," EIA-813, "Monthly Crude Oil Report," EIA-814, "Monthly Imports Report," EIA-815, "Monthly Bulk Terminal Report," EIA-816, "Monthly Natural Gas Liquids Report," EIA-817, "Monthly Tanker and Barge Movements Report," and EIA-819, "Monthly Oxygenate Report." Domestic crude oil field production estimates based on Form EIA-914, "Monthly Crude Oil and Lease Condensate, and Natural Gas Production Report," and data from State conservation agencies, U.S. Department of Interior, and the Bureau of Ocean Energy Management. Export data from the U.S. Census Bureau and EIA estimates. Rail net receipts estimates based on EIA analysis of data from the Surface Transportation Board and other information.

**Table 19. PAD District 4 - Daily Average Supply and Disposition of Crude Oil and Petroleum Products, September 2020**  
(Thousand Barrels per Day)

Commodity	Supply						Disposition			
	Field Production	Renewable Fuels and Oxygenate Plant Net Production	Refinery and Blender Net Production	Imports (PADD of Entry) <sup>1</sup>	Net Receipts <sup>2</sup>	Adjustments <sup>3</sup>	Stock Change <sup>4</sup>	Refinery and Blender Net Inputs	Exports	Products Supplied <sup>5</sup>
<b>Crude Oil</b>	<b>803</b>	<b>--</b>	<b>--</b>	<b>400</b>	<b>-609</b>	<b>-44</b>	<b>-36</b>	<b>586</b>	<b>-</b>	<b>0</b>
<b>Hydrocarbon Gas Liquids</b>	<b>517</b>	<b>0</b>	<b>11</b>	<b>11</b>	<b>-466</b>	<b>--</b>	<b>4</b>	<b>15</b>	<b>3</b>	<b>51</b>
Natural Gas Liquids	517	0	8	11	-466	--	3	15	3	50
Ethane	155	--	--	--	-163	--	-2	--	--	-6
Propane	181	--	8	10	-151	--	3	--	0	45
Normal Butane	71	--	0	1	-60	--	3	5	1	4
Isobutane	33	--	-1	0	-30	--	0	6	--	-3
Natural Gasoline	77	0	--	--	-62	--	0	4	2	9
Refinery Olefins	--	--	3	--	--	--	1	--	--	2
Ethylene	--	--	--	--	--	--	--	--	--	--
Propylene	--	--	1	--	--	--	0	--	--	1
Normal Butylene	--	--	2	--	--	--	1	--	--	1
Isobutylene	--	--	--	--	--	--	0	--	--	0
<b>Other Liquids</b>	<b>--</b>	<b>9</b>	<b>--</b>	<b>6</b>	<b>28</b>	<b>-34</b>	<b>-4</b>	<b>11</b>	<b>2</b>	<b>1</b>
Hydrogen/Oxygenates/Renewables/Other Hydrocarbons	--	9	--	1	12	14	-2	37	2	0
Hydrogen	--	--	--	--	--	6	--	6	--	0
Oxygenates (excluding Fuel Ethanol)	--	--	--	--	--	--	--	--	--	--
Renewable Fuels (including Fuel Ethanol)	--	9	--	1	12	8	-2	31	2	0
Fuel Ethanol	--	9	--	--	11	10	0	29	2	0
Renewable Fuels Except Fuel Ethanol	--	--	--	1	1	-2	-2	2	0	0
Other Hydrocarbons	--	--	--	--	--	--	--	--	--	--
Unfinished Oils	--	--	--	--	--	--	-3	2	--	1
Motor Gasoline Blend.Comp. (MGBC)	--	--	--	5	17	-48	1	-28	0	0
Reformulated	--	--	--	--	--	--	--	--	--	--
Conventional	--	--	--	5	17	-48	1	-28	0	0
Aviation Gasoline Blend. Comp.	--	--	--	--	--	--	--	--	--	--
<b>Finished Petroleum Products</b>	<b>--</b>	<b>--</b>	<b>627</b>	<b>8</b>	<b>-33</b>	<b>39</b>	<b>-14</b>	<b>--</b>	<b>1</b>	<b>654</b>
Finished Motor Gasoline	--	--	305	--	-17	39	7	--	0	319
Reformulated	--	--	--	--	--	--	--	--	--	--
Conventional	--	--	305	--	-17	39	7	--	0	319
Finished Aviation Gasoline	--	--	0	0	--	--	0	--	--	0
Kerosene-Type Jet Fuel	--	--	26	--	9	--	-1	--	--	36
Kerosene	--	--	--	--	--	--	0	--	--	0
Distillate Fuel Oil	--	--	198	7	2	0	-5	--	--	213
15 ppm sulfur and under	--	--	196	7	2	0	-6	--	--	211
Greater than 15 ppm to 500 ppm sulfur	--	--	3	--	--	--	1	--	--	2
Greater than 500 ppm sulfur	--	--	-1	--	--	--	-1	--	--	0
Residual Fuel Oil	--	--	11	--	--	--	-2	--	0	12
Less than 0.31 percent sulfur	--	--	6	--	--	--	0	--	NA	NA
0.31 to 1.00 percent sulfur	--	--	1	--	--	--	0	--	NA	NA
Greater than 1.00 percent sulfur	--	--	4	--	--	--	-1	--	NA	NA
Petrochemical Feedstocks	--	--	--	--	--	--	--	--	--	--
Naphtha for Petro. Feed. Use	--	--	--	--	--	--	--	--	--	--
Other Oils for Petro. Feed. Use	--	--	--	--	--	--	--	--	--	--
Special Naphthas	--	--	--	--	--	--	--	--	--	--
Lubricants	--	--	--	--	--	--	--	--	0	0
Waxes	--	--	--	--	--	--	--	--	0	0
Petroleum Coke	--	--	22	--	-7	--	-1	--	0	16
Marketable	--	--	15	--	-7	--	-1	--	0	9
Catalyst	--	--	7	--	--	--	--	--	--	7
Asphalt and Road Oil	--	--	40	1	-20	--	-12	--	0	33
Still Gas	--	--	20	--	--	--	--	--	--	20
Miscellaneous Products	--	--	4	0	--	--	0	--	--	4
<b>Total</b>	<b>1,320</b>	<b>9</b>	<b>638</b>	<b>425</b>	<b>-1,079</b>	<b>-39</b>	<b>-50</b>	<b>613</b>	<b>5</b>	<b>707</b>

-- = Not Applicable.

- = No Data Reported.

NA = Not Available.

<sup>1</sup> Represents the PAD District in which the material entered the United States and not necessarily where the crude oil or product is processed and/or consumed.

<sup>2</sup> Net receipts equal gross receipts minus gross shipments by pipeline, tanker, and barge. Receipts and shipments by rail are included for crude oil, propane, normal butane, isobutane, propylene, ethanol, biodiesel, marketable petroleum coke, and asphalt and road oil.

<sup>3</sup> Includes an adjustment for crude oil, previously referred to as 'Unaccounted For Crude Oil.' Also included is an adjustment for motor gasoline blending components, fuel ethanol, and distillate fuel oil. See Appendix B, Note 2C for a detailed explanation of these adjustments.

<sup>4</sup> A negative number indicates a decrease in stocks and a positive number indicates an increase in stocks. Stock change for crude oil excludes lease stocks beginning with January 2005 (see explanatory notes).

<sup>5</sup> Product supplied is equal to field production, plus renewable fuels and oxygenate plant net production, plus refinery and blender net production, plus imports, plus net receipts, plus adjustments, minus stock change, minus refinery and blender net inputs, minus exports.

Notes: Totals may not equal sum of components due to independent rounding. Domestic crude oil field production are estimates.

Sources: Energy Information Administration (EIA) Forms EIA-22M "Monthly Biodiesel Production Survey", Forms EIA-810, "Monthly Refinery Report," EIA-812, "Monthly Product Pipeline Report," EIA-813, "Monthly Crude Oil Report," EIA-814, "Monthly Imports Report," EIA-815, "Monthly Bulk Terminal Report," EIA-816, "Monthly Natural Gas Liquids Report," EIA-817, "Monthly Tanker and Barge Movements Report," and EIA-819, "Monthly Oxygenate Report." Domestic crude oil field production estimates based on Form EIA-914, "Monthly Crude Oil and Lease Condensate, and Natural Gas Production Report," and data from State conservation agencies, U.S. Department of Interior, and the Bureau of Ocean Energy Management. Export data from the U.S. Census Bureau and EIA estimates. Rail net receipts estimates based on EIA analysis of data from the Surface Transportation Board and other information.



**Table 20. PAD District 4 - Year-to-Date Daily Average Supply and Disposition of Crude Oil and Petroleum Products, January-September 2020**  
(Thousand Barrels per Day)

Commodity	Supply						Disposition			
	Field Production	Renewable Fuels and Oxygenate Plant Net Production	Refinery and Blender Net Production	Imports (PADD of Entry) <sup>1</sup>	Net Receipts <sup>2</sup>	Adjustments <sup>3</sup>	Stock Change <sup>4</sup>	Refinery and Blender Net Inputs	Exports	Products Supplied <sup>5</sup>
<b>Crude Oil</b>	<b>858</b>	<b>--</b>	<b>--</b>	<b>377</b>	<b>-621</b>	<b>-49</b>	<b>-1</b>	<b>566</b>	<b>1</b>	<b>0</b>
<b>Hydrocarbon Gas Liquids</b>	<b>495</b>	<b>0</b>	<b>11</b>	<b>11</b>	<b>-340</b>	<b>--</b>	<b>16</b>	<b>15</b>	<b>3</b>	<b>141</b>
Natural Gas Liquids	495	0	8	11	-340	--	16	15	3	139
Ethane	141	--	--	--	-115	--	2	--	--	23
Propane	178	--	8	9	-103	--	6	--	0	86
Normal Butane	69	--	2	1	-46	--	6	5	2	13
Isobutane	34	--	-1	0	-26	--	1	6	--	1
Natural Gasoline	73	0	--	--	-50	--	1	4	2	15
Refinery Olefins	--	--	2	--	--	--	0	--	--	2
Ethylene	--	--	--	--	--	--	--	--	--	--
Propylene	--	--	0	--	--	--	0	--	--	0
Normal Butylene	--	--	2	--	--	--	0	--	--	2
Isobutylene	--	--	--	--	--	--	0	--	--	0
<b>Other Liquids</b>	<b>--</b>	<b>10</b>	<b>--</b>	<b>4</b>	<b>21</b>	<b>-26</b>	<b>-4</b>	<b>9</b>	<b>1</b>	<b>3</b>
Hydrogen/Oxygenates/Renewables/Other Hydrocarbons	--	10	--	1	11	14	0	35	1	0
Hydrogen	--	--	--	--	--	7	--	7	--	0
Oxygenates (excluding Fuel Ethanol)	--	--	--	--	--	--	--	--	--	--
Renewable Fuels (including Fuel Ethanol)	--	10	--	1	11	7	0	28	1	0
Fuel Ethanol	--	10	--	--	10	7	0	26	1	0
Renewable Fuels Except Fuel Ethanol	--	0	--	1	1	0	0	2	0	0
Other Hydrocarbons	--	--	--	--	--	--	--	--	--	--
Unfinished Oils	--	--	--	--	--	--	-2	-2	0	3
Motor Gasoline Blend.Comp. (MGBC)	--	--	--	3	10	-39	-2	-24	0	0
Reformulated	--	--	--	--	--	--	--	--	--	--
Conventional	--	--	--	3	10	-39	-2	-24	0	0
Aviation Gasoline Blend. Comp.	--	--	--	--	--	--	--	--	--	--
<b>Finished Petroleum Products</b>	<b>--</b>	<b>--</b>	<b>604</b>	<b>7</b>	<b>-39</b>	<b>32</b>	<b>-5</b>	<b>--</b>	<b>1</b>	<b>608</b>
Finished Motor Gasoline	--	--	283	0	-20	32	0	--	0	295
Reformulated	--	--	--	--	--	--	--	--	--	--
Conventional	--	--	283	0	-20	32	0	--	0	295
Finished Aviation Gasoline	--	--	0	0	--	--	0	--	--	0
Kerosene-Type Jet Fuel	--	--	23	1	14	--	0	--	--	37
Kerosene	--	--	0	--	--	--	0	--	--	0
Distillate Fuel Oil	--	--	198	5	-6	0	-3	--	0	200
15 ppm sulfur and under	--	--	196	5	-6	0	-3	--	0	198
Greater than 15 ppm to 500 ppm sulfur	--	--	3	--	0	--	0	--	--	3
Greater than 500 ppm sulfur	--	--	0	--	--	--	0	--	--	0
Residual Fuel Oil	--	--	11	--	--	--	0	--	0	11
Less than 0.31 percent sulfur	--	--	6	--	--	--	0	--	NA	NA
0.31 to 1.00 percent sulfur	--	--	1	--	--	--	0	--	NA	NA
Greater than 1.00 percent sulfur	--	--	4	--	--	--	0	--	NA	NA
Petrochemical Feedstocks	--	--	--	--	--	--	--	--	--	--
Naphtha for Petro. Feed. Use	--	--	--	--	--	--	--	--	--	--
Other Oils for Petro. Feed. Use	--	--	--	--	--	--	--	--	--	--
Special Naphthas	--	--	--	--	--	--	--	--	--	--
Lubricants	--	--	--	--	--	--	--	--	0	0
Waxes	--	--	--	--	--	--	--	--	0	0
Petroleum Coke	--	--	22	--	-7	--	0	--	0	16
Marketable	--	--	16	--	-7	--	0	--	0	9
Catalyst	--	--	7	--	--	--	--	--	--	7
Asphalt and Road Oil	--	--	42	1	-20	--	-1	--	0	24
Still Gas	--	--	21	--	--	--	--	--	--	21
Miscellaneous Products	--	--	4	0	--	--	0	--	0	4
<b>Total</b>	<b>1,353</b>	<b>9</b>	<b>614</b>	<b>398</b>	<b>-979</b>	<b>-42</b>	<b>6</b>	<b>590</b>	<b>6</b>	<b>752</b>

-- = Not Applicable.

- = No Data Reported.

NA = Not Available.

<sup>1</sup> Represents the PAD District in which the material entered the United States and not necessarily where the crude oil or product is processed and/or consumed.

<sup>2</sup> Net receipts equal gross receipts minus gross shipments by pipeline, tanker, and barge. Receipts and shipments by rail are included for crude oil, propane, normal butane, isobutane, propylene, ethanol, biodiesel, marketable petroleum coke, and asphalt and road oil.

<sup>3</sup> Includes an adjustment for crude oil, previously referred to as 'Unaccounted For Crude Oil.' Also included is an adjustment for motor gasoline blending components, fuel ethanol, and distillate fuel oil. See Appendix B, Note 2C for a detailed explanation of these adjustments.

<sup>4</sup> A negative number indicates a decrease in stocks and a positive number indicates an increase in stocks. Stock change for crude oil excludes lease stocks beginning with January 2005 (see explanatory notes).

<sup>5</sup> Product supplied is equal to field production, plus renewable fuels and oxygenate plant net production, plus refinery and blender net production, plus imports, plus net receipts, plus adjustments, minus stock change, minus refinery and blender net inputs, minus exports.

Notes: Totals may not equal sum of components due to independent rounding. Domestic crude oil field production are estimates.

Sources: Energy Information Administration (EIA) Forms EIA-22M "Monthly Biodiesel Production Survey", Forms EIA-810, "Monthly Refinery Report," EIA-812, "Monthly Product Pipeline Report," EIA-813, "Monthly Crude Oil Report," EIA-814, "Monthly Imports Report," EIA-815, "Monthly Bulk Terminal Report," EIA-816, "Monthly Natural Gas Liquids Report," EIA-817, "Monthly Tanker and Barge Movements Report," and EIA-819, "Monthly Oxygenate Report." Domestic crude oil field production estimates based on Form EIA-914, "Monthly Crude Oil and Lease Condensate, and Natural Gas Production Report," and data from State conservation agencies, U.S. Department of Interior, and the Bureau of Ocean Energy Management. Export data from the U.S. Census Bureau and EIA estimates. Rail net receipts estimates based on EIA analysis of data from the Surface Transportation Board and other information.

**Table 21. PAD District 5 - Supply, Disposition, and Ending Stocks of Crude Oil and Petroleum Products, September 2020**  
(Thousand Barrels)

Commodity	Supply						Disposition				Ending Stocks
	Field Production	Renewable Fuels and Oxygenate Plant Net Production	Refinery and Blender Net Production	Imports (PADD of Entry) <sup>1</sup>	Net Receipts <sup>2</sup>	Adjustments <sup>3</sup>	Stock Change <sup>4</sup>	Refinery and Blender Net Inputs	Exports	Products Supplied <sup>5</sup>	
<b>Crude Oil</b>	<b>24,845</b>	<b>--</b>	<b>--</b>	<b>28,505</b>	<b>4,246</b>	<b>-623</b>	<b>-3,344</b>	<b>57,948</b>	<b>2,368</b>	<b>0</b>	<b>51,550</b>
<b>Hydrocarbon Gas Liquids</b>	<b>1,706</b>	<b>-4</b>	<b>1,370</b>	<b>1,392</b>	<b>683</b>	<b>--</b>	<b>243</b>	<b>1,813</b>	<b>1,353</b>	<b>1,738</b>	<b>6,454</b>
Natural Gas Liquids	1,706	-4	1,245	1,392	683	--	213	1,813	1,353	1,643	6,367
Ethane	1	--	--	--	--	--	--	--	0	1	--
Propane	263	--	989	855	394	--	67	--	837	1,597	2,975
Normal Butane	448	--	250	502	238	--	195	496	492	255	2,920
Isobutane	185	--	6	35	51	--	-47	579	2	-257	419
Natural Gasoline	809	-4	--	--	--	--	-2	738	22	47	53
Refinery Olefins	--	--	125	--	--	--	30	--	--	95	87
Ethylene	--	--	--	--	--	--	--	--	--	--	--
Propylene	--	--	145	--	--	--	-4	--	--	149	7
Normal Butylene	--	--	-20	--	--	--	34	--	--	-54	80
Isobutylene	--	--	--	--	--	--	0	--	--	0	0
<b>Other Liquids</b>	<b>--</b>	<b>480</b>	<b>--</b>	<b>2,835</b>	<b>8,393</b>	<b>557</b>	<b>1,545</b>	<b>10,826</b>	<b>291</b>	<b>-398</b>	<b>49,740</b>
Hydrogen/Oxygenates/Renewables/Other Hydrocarbons	--	480	--	1,094	3,852	1,069	168	6,197	130	0	4,579
Hydrogen	--	--	--	--	--	1,318	--	1,318	--	0	--
Oxygenates (excluding Fuel Ethanol)	--	--	--	--	--	--	--	--	--	--	--
Renewable Fuels (including Fuel Ethanol)	--	480	--	1,094	3,852	-249	168	4,879	130	0	4,579
Fuel Ethanol	--	258	--	438	3,214	444	70	4,203	81	0	3,225
Renewable Fuels Except Fuel Ethanol	--	222	--	656	638	-693	98	676	49	0	1,354
Other Hydrocarbons	--	--	--	--	--	--	--	--	--	--	--
Unfinished Oils	--	--	--	1,162	--	--	-1,145	2,673	32	-398	16,374
Motor Gasoline Blend.Comp. (MGBC)	--	--	--	579	4,541	-513	2,522	1,956	129	0	28,787
Reformulated	--	--	--	--	1,991	-34	1,398	558	1	0	14,057
Conventional	--	--	--	579	2,550	-479	1,124	1,398	128	0	14,730
Aviation Gasoline Blend. Comp.	--	--	--	--	--	--	--	--	--	--	--
<b>Finished Petroleum Products</b>	<b>--</b>	<b>--</b>	<b>73,980</b>	<b>4,515</b>	<b>2,763</b>	<b>263</b>	<b>-2,643</b>	<b>--</b>	<b>7,630</b>	<b>76,534</b>	<b>33,409</b>
Finished Motor Gasoline	--	--	40,784	1,229	348	69	-417	--	834	42,013	2,721
Reformulated	--	--	28,664	--	--	-362	0	--	--	28,302	16
Conventional	--	--	12,120	1,229	348	431	-417	--	834	13,711	2,705
Finished Aviation Gasoline	--	--	45	2	--	--	9	--	--	38	319
Kerosene-Type Jet Fuel	--	--	6,008	2,399	212	--	-1,076	--	237	9,458	8,405
Kerosene	--	--	0	--	--	--	9	--	32	-41	16
Distillate Fuel Oil	--	--	16,622	459	1,354	195	-126	--	2,836	15,920	13,023
15 ppm sulfur and under	--	--	16,096	459	1,354	195	-144	--	2,460	15,788	11,933
Greater than 15 ppm to 500 ppm sulfur	--	--	187	--	--	--	-63	--	345	-95	335
Greater than 500 ppm sulfur	--	--	339	--	--	--	81	--	31	227	755
Residual Fuel Oil	--	--	1,865	312	--	--	-760	--	137	2,800	4,716
Less than 0.31 percent sulfur	--	--	43	--	--	--	-148	--	NA	NA	757
0.31 to 1.00 percent sulfur	--	--	603	74	--	--	151	--	NA	NA	601
Greater than 1.00 percent sulfur	--	--	1,219	238	--	--	-763	--	NA	NA	3,358
Petrochemical Feedstocks	--	--	2	43	--	--	1	--	--	44	2
Naphtha for Petro. Feed. Use	--	--	2	43	--	--	1	--	--	44	2
Other Oils for Petro. Feed. Use	--	--	--	--	--	--	--	--	--	--	--
Special Naphthas	--	--	31	--	--	--	-21	--	--	52	38
Lubricants	--	--	489	3	--	--	12	--	526	-46	742
Waxes	--	--	--	38	--	--	--	--	5	33	--
Petroleum Coke	--	--	3,835	--	197	--	-69	--	2,991	1,110	1,314
Marketable	--	--	2,955	--	197	--	-69	--	2,991	230	1,314
Catalyst	--	--	880	--	--	--	--	--	--	880	--
Asphalt and Road Oil	--	--	853	30	651	--	-199	--	32	1,701	2,010
Still Gas	--	--	3,084	--	--	--	--	--	--	3,084	--
Miscellaneous Products	--	--	362	--	--	--	-6	--	0	368	103
<b>Total</b>	<b>26,551</b>	<b>476</b>	<b>75,350</b>	<b>37,247</b>	<b>16,084</b>	<b>197</b>	<b>-4,199</b>	<b>70,587</b>	<b>11,642</b>	<b>77,874</b>	<b>141,153</b>

-- = Not Applicable.

-- = No Data Reported.

NA = Not Available.

<sup>1</sup> Represents the PAD District in which the material entered the United States and not necessarily where the crude oil or product is processed and/or consumed.

<sup>2</sup> Net receipts equal gross receipts minus gross shipments by pipeline, tanker, and barge. Receipts and shipments by rail are included for crude oil, propane, normal butane, isobutane, propylene, ethanol, biodiesel, marketable petroleum coke, and asphalt and road oil.

<sup>3</sup> Includes an adjustment for crude oil, previously referred to as 'Unaccounted For Crude Oil.' Also included is an adjustment for motor gasoline blending components, fuel ethanol, and distillate fuel oil. See Appendix B, Note 2C for a detailed explanation of these adjustments.

<sup>4</sup> A negative number indicates a decrease in stocks and a positive number indicates an increase in stocks. Stock change for crude oil excludes lease stocks beginning with January 2005 (see explanatory notes).

<sup>5</sup> Product supplied is equal to field production, plus renewable fuels and oxygenate plant net production, plus refinery and blender net production, plus imports, plus net receipts, plus adjustments, minus stock change, minus refinery and blender net inputs, minus exports.

Notes: Totals may not equal sum of components due to independent rounding. Domestic crude oil field production are estimates.

Sources: Energy Information Administration (EIA) Forms EIA-22M "Monthly Biodiesel Production Survey", Forms EIA-810, "Monthly Refinery Report," EIA-812, "Monthly Product Pipeline Report," EIA-813, "Monthly Crude Oil Report," EIA-814, "Monthly Imports Report," EIA-815, "Monthly Bulk Terminal Report," EIA-816, "Monthly Natural Gas Liquids Report," EIA-817, "Monthly Tanker and Barge Movements Report," and EIA-819, "Monthly Oxygenate Report." Domestic crude oil field production estimates based on Form EIA-914, "Monthly Crude Oil and Lease Condensate, and Natural Gas Production Report," and data from State conservation agencies, U.S. Department of Interior, and the Bureau of Ocean Energy Management. Export data from the U.S. Census Bureau and EIA estimates. Rail net receipts estimates based on EIA analysis of data from the Surface Transportation Board and other information.

**Table 22. PAD District 5 - Year-to-Date Supply, Disposition, and Ending Stocks of Crude Oil and Petroleum Products, January-September 2020**  
(Thousand Barrels)

Commodity	Supply						Disposition				Ending Stocks
	Field Production	Renewable Fuels and Oxygenate Plant Net Production	Refinery and Blender Net Production	Imports (PADD of Entry) <sup>1</sup>	Net Receipts <sup>2</sup>	Adjustments <sup>3</sup>	Stock Change <sup>4</sup>	Refinery and Blender Net Inputs	Exports	Products Supplied <sup>5</sup>	
<b>Crude Oil</b>	<b>235,040</b>	<b>--</b>	<b>--</b>	<b>258,187</b>	<b>42,953</b>	<b>10,908</b>	<b>-367</b>	<b>534,957</b>	<b>12,498</b>	<b>0</b>	<b>51,550</b>
<b>Hydrocarbon Gas Liquids</b>	<b>15,724</b>	<b>-48</b>	<b>11,083</b>	<b>11,360</b>	<b>9,903</b>	<b>--</b>	<b>2,340</b>	<b>19,763</b>	<b>14,031</b>	<b>11,888</b>	<b>6,454</b>
Natural Gas Liquids	15,724	-48	9,845	11,299	9,903	--	2,273	19,763	14,031	10,656	6,367
Ethane	7	--	--	--	--	--	--	--	1	6	--
Propane	2,385	--	8,326	7,504	3,460	--	1,302	--	8,914	11,459	2,975
Normal Butane	3,373	--	733	3,645	4,563	--	928	5,950	4,991	445	2,920
Isobutane	2,513	--	786	150	1,880	--	31	7,051	5	-1,758	419
Natural Gasoline	7,446	-48	--	--	--	--	12	6,762	120	504	53
Refinery Olefins	--	--	1,238	61	--	--	67	--	--	1,232	87
Ethylene	--	--	--	--	--	--	--	--	--	--	--
Propylene	--	--	1,336	--	--	--	-7	--	--	1,343	7
Normal Butylene	--	--	-98	61	--	--	74	--	--	-111	80
Isobutylene	--	--	--	--	--	--	0	--	--	0	0
<b>Other Liquids</b>	<b>--</b>	<b>5,020</b>	<b>--</b>	<b>24,252</b>	<b>72,548</b>	<b>-7,839</b>	<b>-4,550</b>	<b>91,539</b>	<b>5,862</b>	<b>1,130</b>	<b>49,740</b>
Hydrogen/Oxygenates/Renewables/Other Hydrocarbons	--	5,020	--	7,208	35,590	7,917	166	53,543	2,027	0	4,579
Hydrogen	--	--	--	--	--	11,578	--	11,578	--	0	--
Oxygenates (excluding Fuel Ethanol)	--	--	--	--	--	--	--	--	--	--	--
Renewable Fuels (including Fuel Ethanol)	--	5,020	--	7,208	35,590	-3,661	166	41,965	2,027	0	4,579
Fuel Ethanol	--	2,660	--	2,227	31,001	2,368	364	36,430	1,462	0	3,225
Renewable Fuels Except Fuel Ethanol	--	2,360	--	4,981	4,589	-6,029	-198	5,535	565	0	1,354
Other Hydrocarbons	--	--	--	--	--	--	--	--	--	--	--
Unfinished Oils	--	--	--	11,071	-175	--	-3,048	10,777	2,037	1,130	16,374
Motor Gasoline Blend.Comp. (MGBC)	--	--	--	5,973	37,133	-15,757	-1,668	27,219	1,798	0	28,787
Reformulated	--	--	--	1,120	17,434	-1,798	-1,064	17,803	17	0	14,057
Conventional	--	--	--	4,853	19,699	-13,959	-604	9,416	1,781	0	14,730
Aviation Gasoline Blend. Comp.	--	--	--	--	--	--	--	--	--	--	--
<b>Finished Petroleum Products</b>	<b>--</b>	<b>--</b>	<b>675,029</b>	<b>40,987</b>	<b>18,927</b>	<b>15,431</b>	<b>-3,349</b>	<b>--</b>	<b>78,392</b>	<b>675,331</b>	<b>33,409</b>
Finished Motor Gasoline	--	--	362,238	5,096	3,779	13,389	20	--	14,037	370,445	2,721
Reformulated	--	--	250,318	--	--	2,954	3	--	--	253,269	16
Conventional	--	--	111,920	5,096	3,779	10,434	17	--	14,037	117,175	2,705
Finished Aviation Gasoline	--	--	442	12	--	--	135	--	--	319	319
Kerosene-Type Jet Fuel	--	--	71,376	26,592	1,050	--	-1,350	--	3,888	96,480	8,405
Kerosene	--	--	78	40	--	--	-28	--	218	-72	16
Distillate Fuel Oil	--	--	146,524	4,671	9,306	2,043	-1,703	--	25,189	139,057	13,023
15 ppm sulfur and under	--	--	139,221	4,664	9,406	2,043	-1,615	--	20,332	136,616	11,933
Greater than 15 ppm to 500 ppm sulfur	--	--	2,689	--	-100	--	59	--	1,685	845	335
Greater than 500 ppm sulfur	--	--	4,614	7	--	--	-147	--	3,171	1,597	755
Residual Fuel Oil	--	--	18,375	3,145	--	--	596	--	5,589	15,335	4,716
Less than 0.31 percent sulfur	--	--	274	--	--	--	496	--	NA	NA	757
0.31 to 1.00 percent sulfur	--	--	4,141	730	--	--	304	--	NA	NA	601
Greater than 1.00 percent sulfur	--	--	13,960	2,415	--	--	-196	--	NA	NA	3,358
Petrochemical Feedstocks	--	--	2	242	--	--	-6	--	--	250	2
Naphtha for Petro. Feed. Use	--	--	2	242	--	--	-6	--	--	250	2
Other Oils for Petro. Feed. Use	--	--	--	--	--	--	--	--	--	--	--
Special Naphthas	--	--	312	--	--	--	-8	--	--	320	38
Lubricants	--	--	3,951	167	-71	--	-116	--	3,085	1,078	742
Waxes	--	--	--	248	--	--	--	--	43	205	--
Petroleum Coke	--	--	33,665	119	531	--	-425	--	25,969	8,771	1,314
Marketable	--	--	25,629	119	531	--	-425	--	25,969	735	1,314
Catalyst	--	--	8,036	--	--	--	--	--	--	8,036	--
Asphalt and Road Oil	--	--	6,752	655	4,332	--	-458	--	372	11,825	2,010
Still Gas	--	--	28,027	--	--	--	--	--	--	28,027	--
Miscellaneous Products	--	--	3,287	--	--	--	-6	--	2	3,291	103
<b>Total</b>	<b>250,764</b>	<b>4,972</b>	<b>686,112</b>	<b>334,786</b>	<b>144,331</b>	<b>18,500</b>	<b>-5,926</b>	<b>646,259</b>	<b>110,783</b>	<b>688,349</b>	<b>141,153</b>

-- = Not Applicable.

-- = No Data Reported.

NA = Not Available.

<sup>1</sup> Represents the PAD District in which the material entered the United States and not necessarily where the crude oil or product is processed and/or consumed.

<sup>2</sup> Net receipts equal gross receipts minus gross shipments by pipeline, tanker, and barge. Receipts and shipments by rail are included for crude oil, propane, normal butane, isobutane, propylene, ethanol, biodiesel, marketable petroleum coke, and asphalt and road oil.

<sup>3</sup> Includes an adjustment for crude oil, previously referred to as 'Unaccounted For Crude Oil.' Also included is an adjustment for motor gasoline blending components, fuel ethanol, and distillate fuel oil. See Appendix B, Note 2C for a detailed explanation of these adjustments.

<sup>4</sup> A negative number indicates a decrease in stocks and a positive number indicates an increase in stocks. Stock change for crude oil excludes lease stocks beginning with January 2005 (see explanatory notes).

<sup>5</sup> Product supplied is equal to field production, plus renewable fuels and oxygenate plant net production, plus refinery and blender net production, plus imports, plus net receipts, plus adjustments, minus stock change, minus refinery and blender net inputs, minus exports.

Notes: Totals may not equal sum of components due to independent rounding. Domestic crude oil field production are estimates.

Sources: Energy Information Administration (EIA) Forms EIA-22M "Monthly Biodiesel Production Survey", Forms EIA-810, "Monthly Refinery Report," EIA-812, "Monthly Product Pipeline Report," EIA-813, "Monthly Crude Oil Report," EIA-814, "Monthly Imports Report," EIA-815, "Monthly Bulk Terminal Report," EIA-816, "Monthly Natural Gas Liquids Report," EIA-817, "Monthly Tanker and Barge Movements Report," and EIA-819, "Monthly Oxygenate Report." Domestic crude oil field production estimates based on Form EIA-914, "Monthly Crude Oil and Lease Condensate, and Natural Gas Production Report," and data from State conservation agencies, U.S. Department of Interior, and the Bureau of Ocean Energy Management. Export data from the U.S. Census Bureau and EIA estimates. Rail net receipts estimates based on EIA analysis of data from the Surface Transportation Board and other information.

**Table 23. PAD District 5 - Daily Average Supply and Disposition of Crude Oil and Petroleum Products, September 2020**  
(Thousand Barrels per Day)

Commodity	Supply						Disposition			
	Field Production	Renewable Fuels and Oxygenate Plant Net Production	Refinery and Blender Net Production	Imports (PADD of Entry) <sup>1</sup>	Net Receipts <sup>2</sup>	Adjustments <sup>3</sup>	Stock Change <sup>4</sup>	Refinery and Blender Net Inputs	Exports	Products Supplied <sup>5</sup>
<b>Crude Oil</b>	<b>828</b>	<b>--</b>	<b>--</b>	<b>950</b>	<b>142</b>	<b>-21</b>	<b>-111</b>	<b>1,932</b>	<b>79</b>	<b>0</b>
<b>Hydrocarbon Gas Liquids</b>	<b>57</b>	<b>0</b>	<b>46</b>	<b>46</b>	<b>23</b>	<b>--</b>	<b>8</b>	<b>60</b>	<b>45</b>	<b>58</b>
Natural Gas Liquids	57	0	42	46	23	--	7	60	45	55
Ethane	0	--	--	--	--	--	--	--	0	0
Propane	9	--	33	29	13	--	2	--	28	53
Normal Butane	15	--	8	17	8	--	7	17	16	8
Isobutane	6	--	0	1	2	--	-2	19	0	-9
Natural Gasoline	27	0	--	--	--	--	0	25	1	2
Refinery Olefins	--	--	4	--	--	--	1	--	--	3
Ethylene	--	--	--	--	--	--	--	--	--	--
Propylene	--	--	5	--	--	--	0	--	--	5
Normal Butylene	--	--	-1	--	--	--	1	--	--	-2
Isobutylene	--	--	--	--	--	--	0	--	--	0
<b>Other Liquids</b>	<b>--</b>	<b>16</b>	<b>--</b>	<b>95</b>	<b>280</b>	<b>19</b>	<b>52</b>	<b>361</b>	<b>10</b>	<b>-13</b>
Hydrogen/Oxygenates/Renewables/Other Hydrocarbons	--	16	--	36	128	36	6	207	4	0
Hydrogen	--	--	--	--	--	44	--	44	--	0
Oxygenates (excluding Fuel Ethanol)	--	--	--	--	--	--	--	--	--	--
Renewable Fuels (including Fuel Ethanol)	--	16	--	36	128	-8	6	163	4	0
Fuel Ethanol	--	9	--	15	107	15	2	140	3	0
Renewable Fuels Except Fuel Ethanol	--	7	--	22	21	-23	3	23	2	0
Other Hydrocarbons	--	--	--	--	--	--	--	--	--	--
Unfinished Oils	--	--	--	39	--	--	-38	89	1	-13
Motor Gasoline Blend Comp. (MGBC)	--	--	--	19	151	-17	84	65	4	0
Reformulated	--	--	--	--	66	-1	47	19	0	0
Conventional	--	--	--	19	85	-16	37	47	4	0
Aviation Gasoline Blend. Comp.	--	--	--	--	--	--	--	--	--	--
<b>Finished Petroleum Products</b>	<b>--</b>	<b>--</b>	<b>2,466</b>	<b>151</b>	<b>92</b>	<b>9</b>	<b>-88</b>	<b>--</b>	<b>254</b>	<b>2,551</b>
Finished Motor Gasoline	--	--	1,359	41	12	2	-14	--	28	1,400
Reformulated	--	--	955	--	--	-12	0	--	--	943
Conventional	--	--	404	41	12	14	-14	--	28	457
Finished Aviation Gasoline	--	--	2	0	--	--	0	--	--	1
Kerosene-Type Jet Fuel	--	--	200	80	7	--	-36	--	8	315
Kerosene	--	--	0	--	--	--	0	--	1	-1
Distillate Fuel Oil	--	--	554	15	45	6	-4	--	95	531
15 ppm sulfur and under	--	--	537	15	45	6	-5	--	82	526
Greater than 15 ppm to 500 ppm sulfur	--	--	6	--	--	--	-2	--	11	-3
Greater than 500 ppm sulfur	--	--	11	--	--	--	3	--	1	8
Residual Fuel Oil	--	--	62	10	--	--	-25	--	5	93
Less than 0.31 percent sulfur	--	--	1	--	--	--	-5	--	NA	NA
0.31 to 1.00 percent sulfur	--	--	20	2	--	--	5	--	NA	NA
Greater than 1.00 percent sulfur	--	--	41	8	--	--	-25	--	NA	NA
Petrochemical Feedstocks	--	--	0	1	--	--	0	--	--	1
Naphtha for Petro. Feed. Use	--	--	0	1	--	--	0	--	--	1
Other Oils for Petro. Feed. Use	--	--	--	--	--	--	--	--	--	--
Special Naphthas	--	--	1	--	--	--	-1	--	--	2
Lubricants	--	--	16	0	--	--	0	--	18	-2
Waxes	--	--	--	1	--	--	--	--	0	1
Petroleum Coke	--	--	128	--	7	--	-2	--	100	37
Marketable	--	--	99	--	7	--	-2	--	100	8
Catalyst	--	--	29	--	--	--	--	--	--	29
Asphalt and Road Oil	--	--	28	1	22	--	-7	--	1	57
Still Gas	--	--	103	--	--	--	--	--	--	103
Miscellaneous Products	--	--	12	--	--	--	0	--	0	12
<b>Total</b>	<b>885</b>	<b>16</b>	<b>2,512</b>	<b>1,242</b>	<b>536</b>	<b>7</b>	<b>-140</b>	<b>2,353</b>	<b>388</b>	<b>2,596</b>

-- = Not Applicable.

-- = No Data Reported.

NA = Not Available.

<sup>1</sup> Represents the PAD District in which the material entered the United States and not necessarily where the crude oil or product is processed and/or consumed.

<sup>2</sup> Net receipts equal gross receipts minus gross shipments by pipeline, tanker, and barge. Receipts and shipments by rail are included for crude oil, propane, normal butane, isobutane, propylene, ethanol, biodiesel, marketable petroleum coke, and asphalt and road oil.

<sup>3</sup> Includes an adjustment for crude oil, previously referred to as 'Unaccounted For Crude Oil.' Also included is an adjustment for motor gasoline blending components, fuel ethanol, and distillate fuel oil. See Appendix B, Note 2C for a detailed explanation of these adjustments.

<sup>4</sup> A negative number indicates a decrease in stocks and a positive number indicates an increase in stocks. Stock change for crude oil excludes lease stocks beginning with January 2005 (see explanatory notes).

<sup>5</sup> Product supplied is equal to field production, plus renewable fuels and oxygenate plant net production, plus refinery and blender net production, plus imports, plus net receipts, plus adjustments, minus stock change, minus refinery and blender net inputs, minus exports.

Notes: Totals may not equal sum of components due to independent rounding. Domestic crude oil field production are estimates.

Sources: Energy Information Administration (EIA) Forms EIA-22M "Monthly Biodiesel Production Survey", Forms EIA-810, "Monthly Refinery Report," EIA-812, "Monthly Product Pipeline Report," EIA-813, "Monthly Crude Oil Report," EIA-814, "Monthly Imports Report," EIA-815, "Monthly Bulk Terminal Report," EIA-816, "Monthly Natural Gas Liquids Report," EIA-817, "Monthly Tanker and Barge Movements Report," and EIA-819, "Monthly Oxygenate Report." Domestic crude oil field production estimates based on Form EIA-914, "Monthly Crude Oil and Lease Condensate, and Natural Gas Production Report," and data from State conservation agencies, U.S. Department of Interior, and the Bureau of Ocean Energy Management. Export data from the U.S. Census Bureau and EIA estimates. Rail net receipts estimates based on EIA analysis of data from the Surface Transportation Board and other information.

**Table 24. PAD District 5 - Year-to-Date Daily Average Supply and Disposition of Crude Oil and Petroleum Products, January-September 2020**  
(Thousand Barrels per Day)

Commodity	Supply						Disposition			
	Field Production	Renewable Fuels and Oxygenate Plant Net Production	Refinery and Blender Net Production	Imports (PADD of Entry) <sup>1</sup>	Net Receipts <sup>2</sup>	Adjustments <sup>3</sup>	Stock Change <sup>4</sup>	Refinery and Blender Net Inputs	Exports	Products Supplied <sup>5</sup>
<b>Crude Oil</b>	<b>858</b>	<b>--</b>	<b>--</b>	<b>942</b>	<b>157</b>	<b>40</b>	<b>-1</b>	<b>1,952</b>	<b>46</b>	<b>0</b>
<b>Hydrocarbon Gas Liquids</b>	<b>57</b>	<b>0</b>	<b>40</b>	<b>41</b>	<b>36</b>	<b>--</b>	<b>9</b>	<b>72</b>	<b>51</b>	<b>43</b>
Natural Gas Liquids	57	0	36	41	36	--	8	72	51	39
Ethane	0	--	--	--	--	--	--	--	0	0
Propane	9	--	30	27	13	--	5	--	33	42
Normal Butane	12	--	3	13	17	--	3	22	18	2
Isobutane	9	--	3	1	7	--	0	26	0	-6
Natural Gasoline	27	0	--	--	--	--	0	25	0	2
Refinery Olefins	--	--	5	0	--	--	0	--	--	4
Ethylene	--	--	--	--	--	--	--	--	--	--
Propylene	--	--	5	--	--	--	0	--	--	5
Normal Butylene	--	--	0	0	--	--	0	--	--	0
Isobutylene	--	--	--	--	--	--	0	--	--	0
<b>Other Liquids</b>	<b>--</b>	<b>18</b>	<b>--</b>	<b>89</b>	<b>265</b>	<b>-29</b>	<b>-17</b>	<b>334</b>	<b>21</b>	<b>4</b>
Hydrogen/Oxygenates/Renewables/Other Hydrocarbons	--	18	--	26	130	29	1	195	7	0
Hydrogen	--	--	--	--	--	42	--	42	--	0
Oxygenates (excluding Fuel Ethanol)	--	--	--	--	--	--	--	--	--	--
Renewable Fuels (including Fuel Ethanol)	--	18	--	26	130	-13	1	153	7	0
Fuel Ethanol	--	10	--	8	113	9	1	133	5	0
Renewable Fuels Except Fuel Ethanol	--	9	--	18	17	-22	-1	20	2	0
Other Hydrocarbons	--	--	--	--	--	--	--	--	--	--
Unfinished Oils	--	--	--	40	-1	--	-11	39	7	4
Motor Gasoline Blend Comp. (MGBC)	--	--	--	22	136	-58	-6	99	7	0
Reformulated	--	--	--	4	64	-7	-4	65	0	0
Conventional	--	--	--	18	72	-51	-2	34	7	0
Aviation Gasoline Blend. Comp.	--	--	--	--	--	--	--	--	--	--
<b>Finished Petroleum Products</b>	<b>--</b>	<b>--</b>	<b>2,464</b>	<b>150</b>	<b>69</b>	<b>56</b>	<b>-12</b>	<b>--</b>	<b>286</b>	<b>2,465</b>
Finished Motor Gasoline	--	--	1,322	19	14	49	0	--	51	1,352
Reformulated	--	--	914	--	--	11	0	--	--	924
Conventional	--	--	408	19	14	38	0	--	51	428
Finished Aviation Gasoline	--	--	2	0	--	--	0	--	--	1
Kerosene-Type Jet Fuel	--	--	260	97	4	--	-5	--	14	352
Kerosene	--	--	0	0	--	--	0	--	1	0
Distillate Fuel Oil	--	--	535	17	34	7	-6	--	92	508
15 ppm sulfur and under	--	--	508	17	34	7	-6	--	74	499
Greater than 15 ppm to 500 ppm sulfur	--	--	10	--	0	--	0	--	6	3
Greater than 500 ppm sulfur	--	--	17	0	--	--	-1	--	12	6
Residual Fuel Oil	--	--	67	11	--	--	2	--	20	56
Less than 0.31 percent sulfur	--	--	1	--	--	--	2	--	NA	NA
0.31 to 1.00 percent sulfur	--	--	15	3	--	--	1	--	NA	NA
Greater than 1.00 percent sulfur	--	--	51	9	--	--	-1	--	NA	NA
Petrochemical Feedstocks	--	--	0	1	--	--	0	--	--	1
Naphtha for Petro. Feed. Use	--	--	0	1	--	--	0	--	--	1
Other Oils for Petro. Feed. Use	--	--	--	--	--	--	--	--	--	--
Special Naphthas	--	--	1	--	--	--	0	--	--	1
Lubricants	--	--	14	1	0	--	0	--	11	4
Waxes	--	--	--	1	--	--	--	--	0	1
Petroleum Coke	--	--	123	0	2	--	-2	--	95	32
Marketable	--	--	94	0	2	--	-2	--	95	3
Catalyst	--	--	29	--	--	--	--	--	--	29
Asphalt and Road Oil	--	--	25	2	16	--	-2	--	1	43
Still Gas	--	--	102	--	--	--	--	--	--	102
Miscellaneous Products	--	--	12	--	--	--	0	--	0	12
<b>Total</b>	<b>915</b>	<b>18</b>	<b>2,504</b>	<b>1,222</b>	<b>527</b>	<b>68</b>	<b>-22</b>	<b>2,359</b>	<b>404</b>	<b>2,512</b>

-- = Not Applicable.

- = No Data Reported.

NA = Not Available.

<sup>1</sup> Represents the PAD District in which the material entered the United States and not necessarily where the crude oil or product is processed and/or consumed.

<sup>2</sup> Net receipts equal gross receipts minus gross shipments by pipeline, tanker, and barge. Receipts and shipments by rail are included for crude oil, propane, normal butane, isobutane, propylene, ethanol, biodiesel, marketable petroleum coke, and asphalt and road oil.

<sup>3</sup> Includes an adjustment for crude oil, previously referred to as 'Unaccounted For Crude Oil.' Also included is an adjustment for motor gasoline blending components, fuel ethanol, and distillate fuel oil. See Appendix B, Note 2C for a detailed explanation of these adjustments.

<sup>4</sup> A negative number indicates a decrease in stocks and a positive number indicates an increase in stocks. Stock change for crude oil excludes lease stocks beginning with January 2005 (see explanatory notes).

<sup>5</sup> Product supplied is equal to field production, plus renewable fuels and oxygenate plant net production, plus refinery and blender net production, plus imports, plus net receipts, plus adjustments, minus stock change, minus refinery and blender net inputs, minus exports.

Notes: Totals may not equal sum of components due to independent rounding. Domestic crude oil field production are estimates.

Sources: Energy Information Administration (EIA) Forms EIA-22M "Monthly Biodiesel Production Survey", Forms EIA-810, "Monthly Refinery Report," EIA-812, "Monthly Product Pipeline Report," EIA-813, "Monthly Crude Oil Report," EIA-814, "Monthly Imports Report," EIA-815, "Monthly Bulk Terminal Report," EIA-816, "Monthly Natural Gas Liquids Report," EIA-817, "Monthly Tanker and Barge Movements Report," and EIA-819, "Monthly Oxygenate Report." Domestic crude oil field production estimates based on Form EIA-914, "Monthly Crude Oil and Lease Condensate, and Natural Gas Production Report," and data from State conservation agencies, U.S. Department of Interior, and the Bureau of Ocean Energy Management. Export data from the U.S. Census Bureau and EIA estimates. Rail net receipts estimates based on EIA analysis of data from the Surface Transportation Board and other information.

**Table 25. Crude Oil Supply, Disposition, and Ending Stocks by PAD District, September 2020**  
(Thousand Barrels, Except Where Noted)

Process	PAD Districts					U.S. Total	
	1	2	3	4	5	Total	Daily Average
<b>Supply</b>							
Field Production .....	2,268	55,443	219,144	24,100	24,845	325,798	10,860
Alaskan .....	--	--	--	--	--	13,252	442
Lower 48 States .....	--	--	--	--	--	312,546	10,418
Imports (PAD District of Entry) .....	11,956	72,926	36,543	11,996	28,505	161,926	5,398
Commercial .....	11,956	72,926	36,543	11,996	28,505	161,926	5,398
Strategic Petroleum Reserve (SPR) .....	--	--	--	--	--	--	--
Net Receipts .....	3,653	-8,652	19,014	-18,260	4,246	--	--
Adjustments <sup>1</sup> .....	117	-6,660	13,066	-1,319	-623	4,581	153
<b>Disposition</b>							
Stock Change <sup>2</sup> .....	-917	829	-7,533	-1,065	-3,344	-12,030	-401
Commercial .....	--	--	-2,189	--	--	-6,686	-223
SPR .....	--	--	-5,344	--	--	-5,344	-178
Refinery Inputs .....	16,451	105,215	209,989	17,582	57,948	407,185	13,573
Exports .....	2,459	7,012	85,311	--	2,368	97,150	3,238
<b>Ending Stocks</b>							
Total .....	11,148	140,907	912,559	23,344	51,550	1,139,508	--
Commercial .....	11,148	140,907	270,373	23,344	51,550	497,322	--
Refinery .....	6,104	12,964	46,535	2,450	20,741	88,794	--
Tank Farms and Pipelines .....	5,044	127,943	223,838	20,894	26,814	404,533	--
Cushing, Oklahoma .....	--	56,189	--	--	--	56,189	--
Lease .....	--	--	--	--	--	--	--
Alaskan Crude Oil In-Transit by Water .....	--	--	--	--	3,995	3,995	--
SPR .....	--	--	642,186	--	--	642,186	--
<b>SPR Stocks</b>							
Percent of Total Crude Oil Stocks (Percent) .....	--	--	--	--	--	56.4	--
Percent of Total Petroleum Stocks (Percent) .....	--	--	--	--	--	31.1	--
Days of Total Petroleum Net Imports (Days) .....	--	--	--	--	--	--	--
<b>SPR Receipts Detail</b>							
Receipts .....	--	--	--	--	--	--	--
Domestic .....	--	--	--	--	--	--	--
Imports .....	--	--	--	--	--	--	--
Imported by SPR .....	--	--	--	--	--	--	--
Imported for SPR by Others .....	--	--	--	--	--	--	--
<b>Imports</b>							
PAD District of Entry .....	11,956	72,926	36,543	11,996	28,505	161,926	5,398
PAD District of Processing .....	11,956	69,569	42,563	8,967	28,871	161,926	5,398

-- = Not Applicable.

-- = No Data Reported.

<sup>1</sup> Crude oil adjustment was previously referred to as Unaccounted-for Crude Oil.

<sup>2</sup> A negative number indicates a decrease in stocks and a positive number indicates an increase in stocks. Stock change for crude oil excludes lease stocks beginning with January 2005 (see explanatory notes).

Notes: Totals may not equal the sum of components due to independent rounding. Values of Domestic Crude Oil Field Production are estimates.

Sources: Energy Information Administration (EIA) Forms EIA-810, "Monthly Refinery Report," EIA-813, "Monthly Crude Oil Report," EIA-814, "Monthly Imports Report," and EIA-817, "Monthly Tanker and Barge Movements Report." Domestic crude oil field production estimates based on Form EIA-914, "Monthly Crude Oil and Lease Condensate, and Natural Gas Production Report," and data from State conservation agencies, U.S. Department of Interior, and the Bureau of Ocean Energy Management. Export data from the U.S. Census Bureau and EIA estimates. Rail net receipts estimates based on EIA analysis of data from the Surface Transportation Board and other information.

**Table 26. Production of Crude Oil by PAD District and State, September 2020**  
(Thousand Barrels)

PAD District and State	September 2020		January-September 2020	
	Total	Daily Average	Total	Daily Average
<b>PAD District 1</b> .....	<b>2,268</b>	<b>76</b>	<b>18,849</b>	<b>69</b>
Florida .....	77	3	947	3
New York .....	23	1	206	1
Pennsylvania .....	471	16	4,105	15
Virginia .....	3	0	7	0
West Virginia .....	1,694	56	13,585	50
<b>PAD District 2</b> .....	<b>55,443</b>	<b>1,848</b>	<b>506,778</b>	<b>1,850</b>
Illinois .....	595	20	5,349	20
Indiana .....	116	4	1,039	4
Kansas .....	2,202	73	21,179	77
Kentucky .....	183	6	1,628	6
Michigan .....	394	13	3,137	11
Missouri .....	5	0	60	0
Nebraska .....	135	5	1,211	4
North Dakota .....	36,438	1,215	321,994	1,175
Ohio .....	1,932	64	18,653	68
Oklahoma .....	13,343	445	131,624	480
South Dakota .....	86	3	791	3
Tennessee .....	13	0	113	0
<b>PAD District 3</b> .....	<b>219,144</b>	<b>7,305</b>	<b>2,142,035</b>	<b>7,818</b>
Alabama .....	281	9	2,979	11
Arkansas .....	339	11	3,141	11
Louisiana .....	2,528	84	26,849	98
Mississippi .....	1,172	39	10,668	39
New Mexico .....	30,708	1,024	278,797	1,018
Texas .....	138,830	4,628	1,353,476	4,940
Federal Offshore PAD District 3 .....	45,286	1,510	466,125	1,701
<b>PAD District 4</b> .....	<b>24,100</b>	<b>803</b>	<b>235,052</b>	<b>858</b>
Colorado .....	12,534	418	129,226	472
Idaho .....	0	0	1	0
Montana .....	1,547	52	14,663	54
Utah .....	2,615	87	23,994	88
Wyoming .....	7,404	247	67,168	245
<b>PAD District 5</b> .....	<b>24,845</b>	<b>828</b>	<b>235,040</b>	<b>858</b>
Alaska .....	13,252	442	121,341	443
South Alaska .....	345	11	3,393	12
North Slope .....	12,908	430	117,948	430
Arizona .....	0	0	4	0
California .....	11,351	378	110,219	402
Nevada .....	18	1	149	1
Federal Offshore PAD District 5 .....	223	7	3,328	12
<b>U.S. Total</b> .....	<b>325,798</b>	<b>10,860</b>	<b>3,137,753</b>	<b>11,452</b>

- = No Data Reported.

Note: Year-to-date totals include revised monthly production estimates by state published in Petroleum Navigator. Crude oil production quantities are estimated by state and summed to the PADD and the U.S. level. State production estimates reported by EIA are normally different from data reported by state agencies. For example, production estimates for Texas reported on table 26 are different from production reported by the Railroad Commission of Texas. See EIA "Today In Energy" article released on July 10, 2015 (<http://www.eia.gov/todayinenergy/detail.cfm?id=22012>) for an explanation of differences in production data for Texas.

Totals may not equal sum of components due to independent rounding.

Sources: Energy Information Administration Form EIA-914, "Monthly Crude Oil and Lease Condensate, and Natural Gas Production Report," state government agencies, U.S. Department of the Interior, and the Bureau of Ocean Energy Management.



**Table 27. Natural Gas Plant Net Production and Stocks of Petroleum Products by PAD and Refining Districts, September 2020**  
(Thousand Barrels)

Commodity	Production						
	PAD District 1 - East Coast			PAD District 2 - Midwest			
	East Coast	Appalachian No. 1	Total	Indiana, Illinois, Kentucky	Minnesota, Wisconsin, North and South Dakota	Oklahoma, Kansas, Missouri	Total
<b>Hydrocarbon Gas Liquids</b> .....	<b>9</b>	<b>18,964</b>	<b>18,973</b>	<b>4,928</b>	<b>10,093</b>	<b>15,269</b>	<b>30,290</b>
Natural Gas Liquids .....	9	18,964	18,973	4,928	10,093	15,269	30,290
Ethane .....	—	7,302	7,302	1,715	1,884	6,266	9,865
Propane .....	3	6,669	6,672	1,984	4,163	4,786	10,933
Normal Butane .....	6	2,139	2,145	346	1,784	1,390	3,520
Isobutane .....	—	898	898	515	592	1,066	2,173
Natural Gasoline .....	—	1,956	1,956	368	1,670	1,761	3,799

Commodity	Production								
	PAD District 3 - Gulf Coast						PAD District 4 - Rocky Mountain	PAD District 5 - West Coast	U.S. Total
	Texas Inland	Texas Gulf Coast	Louisiana Gulf Coast	North Louisiana, Arkansas	New Mexico	Total			
<b>Hydrocarbon Gas Liquids</b> .....	<b>74,365</b>	<b>4,062</b>	<b>4,158</b>	<b>491</b>	<b>9,716</b>	<b>92,792</b>	<b>15,505</b>	<b>1,706</b>	<b>159,266</b>
Natural Gas Liquids .....	74,365	4,062	4,158	491	9,716	92,792	15,505	1,706	159,266
Ethane .....	33,244	1,839	1,610	89	4,341	41,123	4,649	1	62,940
Propane .....	21,890	1,209	1,400	143	2,832	27,474	5,431	263	50,773
Normal Butane .....	7,140	-3,099	490	60	939	5,530	2,139	448	13,782
Isobutane .....	4,376	3,748	259	52	581	9,016	985	185	13,257
Natural Gasoline .....	7,715	365	399	147	1,023	9,649	2,301	809	18,514

Commodity	Stocks						
	PAD District 1 - East Coast			PAD District 2 - Midwest			
	East Coast	Appalachian No. 1	Total	Indiana, Illinois, Kentucky	Minnesota, Wisconsin, North and South Dakota	Oklahoma, Kansas, Missouri	Total
<b>Hydrocarbon Gas Liquids</b> .....	<b>5</b>	<b>251</b>	<b>256</b>	<b>724</b>	<b>142</b>	<b>571</b>	<b>1,437</b>
Natural Gas Liquids .....	5	251	256	724	142	571	1,437
Ethane .....	—	—	—	32	2	170	204
Propane .....	2	131	133	380	53	164	597
Normal Butane .....	3	51	54	36	35	73	144
Isobutane .....	—	15	15	155	9	69	233
Natural Gasoline .....	—	54	54	121	43	95	259

Commodity	Stocks								
	PAD District 3 - Gulf Coast						PAD District 4 - Rocky Mountain	PAD District 5 - West Coast	U.S. Total
	Texas Inland	Texas Gulf Coast	Louisiana Gulf Coast	North Louisiana, Arkansas	New Mexico	Total			
<b>Hydrocarbon Gas Liquids</b> .....	<b>139</b>	<b>559</b>	<b>978</b>	<b>4</b>	<b>1</b>	<b>1,681</b>	<b>193</b>	<b>625</b>	<b>4,192</b>
Natural Gas Liquids .....	139	559	978	4	1	1,681	193	625	4,192
Ethane .....	28	237	—	—	—	265	7	—	476
Propane .....	26	174	20	1	—	221	77	153	1,181
Normal Butane .....	12	59	199	2	—	272	44	389	903
Isobutane .....	33	9	49	—	—	91	14	35	388
Natural Gasoline .....	40	80	710	1	1	832	51	48	1,244

— = No Data Reported.  
Note: Refer to Appendix A for Refining District descriptions.  
Sources: Energy Information Administration (EIA) Form EIA-816, "Monthly Natural Gas Liquids Report."



**Table 28. Refinery and Blender Net Input of Crude Oil and Petroleum Products by PAD and Refining Districts, September 2020**  
(Thousand Barrels)

Commodity	PAD District 1 - East Coast			PAD District 2 - Midwest			
	East Coast	Appalachian No. 1	Total	Indiana, Illinois, Kentucky	Minnesota, Wisconsin, North and South Dakota	Oklahoma, Kansas, Missouri	Total
<b>Crude Oil</b> .....	<b>13,478</b>	<b>2,973</b>	<b>16,451</b>	<b>67,529</b>	<b>13,106</b>	<b>24,580</b>	<b>105,215</b>
<b>Hydrocarbon Gas Liquids</b> .....	<b>1,407</b>	<b>—</b>	<b>1,407</b>	<b>1,570</b>	<b>160</b>	<b>1,261</b>	<b>2,991</b>
Natural Gas Liquids .....	1,407	—	1,407	1,570	160	1,261	2,991
Normal Butane .....	1,032	—	1,032	245	92	307	644
Isobutane .....	246	—	246	986	66	401	1,453
Natural Gasoline .....	129	—	129	339	2	553	894
<b>Other Liquids</b> .....	<b>74,318</b>	<b>5,371</b>	<b>79,689</b>	<b>9,402</b>	<b>3,345</b>	<b>2,182</b>	<b>14,929</b>
Hydrogen/Oxygenates/Renewables/Other Hydrocarbons .....	8,788	724	9,512	5,376	1,534	1,705	8,615
Hydrogen .....	85	9	94	629	250	177	1,056
Oxygenates (excluding Fuel Ethanol) .....	—	—	—	—	—	—	—
Methyl Tertiary Butyl Ether (MTBE) .....	—	—	—	—	—	—	—
All Other Oxygenates <sup>1</sup> .....	—	—	—	—	—	—	—
Renewable Fuels (including Fuel Ethanol) .....	8,703	715	9,418	4,719	1,284	1,528	7,531
Fuel Ethanol .....	8,488	650	9,138	4,469	1,033	1,446	6,948
Renewable Diesel Fuel <sup>2</sup> .....	215	65	280	250	251	82	583
Other Renewable Fuels .....	—	—	—	—	—	—	—
Other Hydrocarbons .....	—	—	—	28	—	—	28
Unfinished Oils (net) .....	3,609	-120	3,489	-613	-102	161	-554
Naphthas and Lighter .....	412	-81	331	-282	27	-70	-325
Kerosene and Light Gas Oils .....	242	—	242	110	-175	225	160
Heavy Gas Oils .....	2,025	-40	1,985	-235	46	130	-59
Residuum .....	930	1	931	-206	—	-124	-330
Motor Gasoline Blend.Comp. (MGBC)(net) .....	61,921	4,767	66,688	4,639	1,913	316	6,868
Reformulated - RBOB .....	14,818	—	14,818	-227	972	841	1,586
Conventional .....	47,103	4,767	51,870	4,866	941	-525	5,282
CBOB .....	38,064	4,728	42,792	5,033	1,118	-304	5,847
GTAB .....	3,715	—	3,715	—	—	—	—
Other .....	5,324	39	5,363	-167	-177	-221	-565
Aviation Gasoline Blend. Comp. (net) .....	—	—	—	—	—	—	—
<b>Total Input</b> .....	<b>89,203</b>	<b>8,344</b>	<b>97,547</b>	<b>78,501</b>	<b>16,611</b>	<b>28,023</b>	<b>123,135</b>

See footnotes at end of table.

**Table 28. Refinery and Blender Net Input of Crude Oil and Petroleum Products by PAD and Refining Districts, September 2020**  
(Thousand Barrels) — Continued

Commodity	PAD District 3 - Gulf Coast						PAD District 4 - Rocky Mountain	PAD District 5 - West Coast	U.S. Total
	Texas Inland	Texas Gulf Coast	Louisiana Gulf Coast	North Louisiana, Arkansas	New Mexico	Total			
<b>Crude Oil</b> .....	<b>20,568</b>	<b>116,484</b>	<b>62,701</b>	<b>7,240</b>	<b>2,996</b>	<b>209,989</b>	<b>17,582</b>	<b>57,948</b>	<b>407,185</b>
<b>Hydrocarbon Gas Liquids</b> .....	<b>535</b>	<b>5,631</b>	<b>3,030</b>	<b>78</b>	<b>141</b>	<b>9,415</b>	<b>456</b>	<b>1,813</b>	<b>16,082</b>
Natural Gas Liquids .....	535	5,631	3,030	78	141	9,415	456	1,813	16,082
Normal Butane .....	251	1,756	968	51	—	3,026	163	496	5,361
Isobutane .....	245	2,202	955	22	141	3,565	173	579	6,016
Natural Gasoline .....	39	1,673	1,107	5	—	2,824	120	738	4,705
<b>Other Liquids</b> .....	<b>7,588</b>	<b>-36,293</b>	<b>-15,526</b>	<b>6,620</b>	<b>-286</b>	<b>-37,897</b>	<b>340</b>	<b>10,826</b>	<b>67,887</b>
Hydrogen/Oxygenates/Renewables/ Other Hydrocarbons .....	1,969	2,642	1,696	1,047	194	7,548	1,109	6,197	32,981
Hydrogen .....	9	1,814	1,179	44	41	3,087	186	1,318	5,741
Oxygenates (excluding Fuel Ethanol) .....	—	—	—	—	—	—	—	—	—
Methyl Tertiary Butyl Ether (MTBE) .....	—	—	—	—	—	—	—	—	—
All Other Oxygenates <sup>1</sup> .....	—	—	—	—	—	—	—	—	—
Renewable Fuels (including Fuel Ethanol) .....	1,960	828	517	1,003	153	4,461	923	4,879	27,212
Fuel Ethanol .....	1,873	759	477	956	135	4,200	866	4,203	25,355
Renewable Diesel Fuel <sup>2</sup> .....	87	69	40	47	18	261	57	663	1,844
Other Renewable Fuels .....	—	—	—	—	—	—	—	13	13
Other Hydrocarbons .....	—	—	—	—	—	—	—	—	28
Unfinished Oils (net) .....	-185	-2,567	8,082	-148	-80	5,102	61	2,673	10,771
Naphthas and Lighter .....	-51	-4,977	179	-87	-61	-4,997	79	-178	-5,090
Kerosene and Light Gas Oils .....	20	-2,205	62	11	-28	-2,140	-324	67	-1,995
Heavy Gas Oils .....	-94	1,832	3,932	-19	9	5,660	245	1,646	9,477
Residuum .....	-60	2,783	3,909	-53	—	6,579	61	1,138	8,379
Motor Gasoline Blend.Comp. (MGBC)(net) .....	5,793	-36,368	-25,304	5,721	-400	-50,558	-830	1,956	24,124
Reformulated - RBOB .....	5,334	-7,059	-1,680	11	-675	-4,069	—	558	12,893
Conventional .....	459	-29,309	-23,624	5,710	275	-46,489	-830	1,398	11,231
CBOB .....	437	-28,782	-25,042	5,734	288	-47,365	-838	697	1,133
GTAB .....	—	—	—	—	—	—	—	—	3,715
Other .....	22	-527	1,418	-24	-13	876	8	701	6,383
Aviation Gasoline Blend. Comp. (net) .....	11	—	—	—	—	11	—	—	11
<b>Total Input</b> .....	<b>28,691</b>	<b>85,822</b>	<b>50,205</b>	<b>13,938</b>	<b>2,851</b>	<b>181,507</b>	<b>18,378</b>	<b>70,587</b>	<b>491,154</b>

— = Not Applicable.

— = No Data Reported.

<sup>1</sup> Includes ethyl tertiary butyl ether (ETBE), tertiary amyl methyl ether (TAME), tertiary butyl alcohol (TBA), and other aliphatic alcohols and ethers intended for motor gasoline blending (e.g., isopropyl ether (IPE) or n-propanol).

<sup>2</sup> Renewable diesel fuel includes biodiesel and other renewable diesel.

Note: Totals may not equal sum of components due to independent rounding.

Note: Refer to Appendix A for Refining District descriptions.

Source: Energy Information Administration (EIA) Forms EIA-810, "Monthly Refinery Report," and EIA-815, "Monthly Bulk Terminal Report."

**Table 29. Refinery and Blender Net Production of Finished Petroleum Products by PAD and Refining Districts, September 2020**  
(Thousand Barrels)

Commodity	PAD District 1 - East Coast			PAD District 2 - Midwest			
	East Coast	Appalachian No. 1	Total	Indiana, Illinois, Kentucky	Minnesota, Wisconsin, North and South Dakota	Oklahoma, Kansas, Missouri	Total
Hydrocarbon Gas Liquids .....	377	19	396	2,745	299	531	3,575
Natural Gas Liquids .....	-101	19	-82	1,730	160	363	2,253
Ethane .....	-	-	-	-	-	-	-
Propane .....	326	27	353	1,470	273	454	2,197
Normal Butane .....	-306	5	-301	324	-74	-43	207
Isobutane .....	-121	-13	-134	-64	-39	-48	-151
Natural Gasoline .....	-	-	-	-	-	-	-
Refinery Olefins .....	478	-	478	1,015	139	168	1,322
Ethylene .....	13	-	13	-	-	-	-
Propylene .....	487	-	487	945	139	171	1,255
Normal Butylene .....	-41	-	-41	70	-	-3	67
Isobutylene .....	19	-	19	-	-	-	-
Finished Motor Gasoline .....	82,096	6,446	88,542	46,768	10,338	15,508	72,614
Reformulated .....	34,002	2	34,004	6,972	1,367	935	9,274
Reformulated Blended with Fuel Ethanol .....	34,002	2	34,004	6,972	1,367	935	9,274
Reformulated Other .....	-	-	-	-	-	-	-
Conventional .....	48,094	6,444	54,538	39,796	8,971	14,573	63,340
Conventional Blended with Fuel Ethanol .....	49,897	6,498	56,395	37,180	8,718	13,105	59,003
Ed55 and Lower .....	49,862	6,498	56,360	37,169	8,698	13,046	58,913
Greater than Ed55 .....	35	-	35	11	20	59	90
Conventional Other .....	-1,803	-54	-1,857	2,616	253	1,468	4,337
Finished Aviation Gasoline .....	-	-	-	-	16	-	16
Kerosene-Type Jet Fuel .....	526	-1	525	4,533	471	537	5,541
Kerosene .....	207	4	211	81	-	4	85
Distillate Fuel Oil .....	4,128	768	4,896	17,672	3,877	10,075	31,624
15 ppm sulfur and under .....	4,203	736	4,939	17,815	3,910	10,097	31,822
Greater than 15 ppm to 500 ppm sulfur .....	14	17	31	-	-	86	86
Greater than 500 ppm sulfur .....	-89	15	-74	-143	-33	-108	-284
Residual Fuel Oil .....	1,017	-	1,017	561	186	126	873
Less than 0.31 percent sulfur .....	-9	-	-9	11	-	-	11
0.31 to 1.00 percent sulfur .....	817	-	817	207	56	28	291
Greater than 1.00 percent sulfur .....	209	-	209	343	130	98	571
Petrochemical Feedstocks .....	-	-	-	828	-	28	856
Naphtha for Petro. Feed. Use .....	-	-	-	514	-	-	514
Other Oils for Petro. Feed. Use .....	-	-	-	314	-	28	342
Special Naphthas .....	-	22	22	-17	-	16	-1
Lubricants .....	162	217	379	-	-	211	211
Waxes .....	-	-15	-15	-	-	38	38
Petroleum Coke .....	631	19	650	3,399	897	807	5,103
Marketable .....	213	-	213	2,429	733	568	3,730
Catalyst .....	418	19	437	970	164	239	1,373
Asphalt and Road Oil .....	427	701	1,128	3,444	939	243	4,626
Still Gas .....	832	49	881	2,426	562	1,014	4,002
Miscellaneous Products .....	37	27	64	256	106	41	403
<b>Total .....</b>	<b>90,440</b>	<b>8,256</b>	<b>98,696</b>	<b>82,696</b>	<b>17,691</b>	<b>29,179</b>	<b>129,566</b>
Processing Gain(-) or Loss(+) <sup>1</sup> .....	<b>-1,237</b>	<b>88</b>	<b>-1,149</b>	<b>-4,195</b>	<b>-1,080</b>	<b>-1,156</b>	<b>-6,431</b>

See footnotes at end of table.

**Table 29. Refinery and Blender Net Production of Finished Petroleum Products by PAD and Refining Districts, September 2020**  
(Thousand Barrels) — Continued

Commodity	PAD District 3 - Gulf Coast						PAD District 4 - Rocky Mountain	PAD District 5 - West Coast	U.S. Total
	Texas Inland	Texas Gulf Coast	Louisiana Gulf Coast	North Louisiana, Arkansas	New Mexico	Total			
Hydrocarbon Gas Liquids .....	856	6,470	3,614	26	25	10,991	334	1,370	16,666
Natural Gas Liquids .....	455	3,366	1,178	0	24	5,023	248	1,245	8,687
Ethane .....	9	113	10	—	—	132	—	—	132
Propane .....	302	2,159	1,501	11	32	4,005	254	989	7,798
Normal Butane .....	188	1,523	-371	-11	-7	1,322	14	250	1,492
Isobutane .....	-44	-429	38	—	-1	-436	-20	6	-735
Natural Gasoline .....	—	—	—	—	—	—	—	—	—
Refinery Olefins .....	401	3,104	2,436	26	1	5,968	86	125	7,979
Ethylene .....	—	5	—	—	—	5	—	—	18
Propylene .....	388	3,341	2,429	26	—	6,184	20	145	8,091
Normal Butylene .....	13	-206	7	—	1	-185	66	-20	-113
Isobutylene .....	—	-36	—	—	—	-36	—	—	-17
Finished Motor Gasoline .....	18,881	21,736	10,879	8,772	1,358	61,626	9,148	40,784	272,714
Reformulated .....	6,402	5,642	—	—	—	12,044	—	28,664	83,986
Reformulated Blended with Fuel Ethanol .....	6,402	5,642	—	—	—	12,044	—	28,664	83,986
Reformulated Other .....	—	—	—	—	—	—	—	—	—
Conventional .....	12,479	16,094	10,879	8,772	1,358	49,582	9,148	12,120	188,728
Conventional Blended with Fuel Ethanol .....	12,105	1,874	4,753	9,521	1,359	29,612	8,704	12,792	166,506
Ed55 and Lower .....	12,089	1,874	4,753	9,513	1,358	29,587	8,692	12,742	166,294
Greater than Ed55 .....	16	—	—	8	1	25	12	50	212
Conventional Other .....	374	14,220	6,126	-749	-1	19,970	444	-672	22,222
Finished Aviation Gasoline .....	105	114	51	—	—	270	7	45	338
Kerosene-Type Jet Fuel .....	1,108	6,914	2,890	218	0	11,130	781	6,008	23,985
Kerosene .....	-10	291	—	16	—	297	—	0	593
Distillate Fuel Oil .....	6,638	38,173	27,117	2,538	1,240	75,706	5,948	16,622	134,796
15 ppm sulfur and under .....	6,642	36,925	24,937	2,427	1,240	72,171	5,872	16,096	130,900
Greater than 15 ppm to 500 ppm sulfur .....	-4	1,065	1,159	94	—	2,314	91	187	2,709
Greater than 500 ppm sulfur .....	—	183	1,021	17	—	1,221	-15	339	1,187
Residual Fuel Oil .....	271	-43	635	-43	61	881	316	1,865	4,952
Less than 0.31 percent sulfur .....	231	—	32	—	—	263	180	43	488
0.31 to 1.00 percent sulfur .....	3	284	126	-43	—	370	15	603	2,096
Greater than 1.00 percent sulfur .....	37	-327	477	—	61	248	121	1,219	2,368
Petrochemical Feedstocks .....	130	5,264	1,716	—	—	7,110	—	2	7,968
Naphtha for Petro. Feed. Use .....	120	3,603	744	—	—	4,467	—	2	4,983
Other Oils for Petro. Feed. Use .....	10	1,661	972	—	—	2,643	—	—	2,985
Special Naphthas .....	62	705	—	212	—	979	—	31	1,031
Lubricants .....	16	1,532	1,077	765	—	3,390	—	489	4,469
Waxes .....	—	45	50	25	—	120	—	—	143
Petroleum Coke .....	355	6,883	4,258	128	24	11,648	664	3,835	21,900
Marketable .....	126	5,249	3,343	112	—	8,830	452	2,955	16,180
Catalyst .....	229	1,634	915	16	24	2,818	212	880	5,720
Asphalt and Road Oil .....	291	6	532	1,094	68	1,991	1,211	853	9,809
Still Gas .....	700	5,605	2,675	253	67	9,300	603	3,084	17,870
Miscellaneous Products .....	143	764	378	15	33	1,333	133	362	2,295
<b>Total .....</b>	<b>29,546</b>	<b>94,459</b>	<b>55,872</b>	<b>14,019</b>	<b>2,876</b>	<b>196,772</b>	<b>19,145</b>	<b>75,350</b>	<b>519,529</b>
Processing Gain(-) or Loss(+) <sup>1</sup> .....	<b>-855</b>	<b>-8,637</b>	<b>-5,667</b>	<b>-81</b>	<b>-25</b>	<b>-15,265</b>	<b>-767</b>	<b>-4,763</b>	<b>-28,375</b>

— = No Data Reported.

<sup>1</sup> Represents the arithmetic difference between input and production.

Note: Refer to Appendix A for Refining District descriptions.

Source: Energy Information Administration (EIA) Forms EIA-810, "Monthly Refinery Report," and EIA-815, "Monthly Bulk Terminal Report."

**Table 30. Refinery Net Input of Crude Oil and Petroleum Products by PAD and Refining Districts, September 2020**  
(Thousand Barrels, Except Where Noted)

Commodity	PAD District 1 - East Coast			PAD District 2 - Midwest			
	East Coast	Appalachian No. 1	Total	Indiana, Illinois, Kentucky	Minnesota, Wisconsin, North and South Dakota	Oklahoma, Kansas, Missouri	Total
<b>Crude Oil</b>	<b>13,478</b>	<b>2,973</b>	<b>16,451</b>	<b>67,529</b>	<b>13,106</b>	<b>24,580</b>	<b>105,215</b>
<b>Hydrocarbon Gas Liquids</b>	<b>385</b>	<b>—</b>	<b>385</b>	<b>1,464</b>	<b>66</b>	<b>884</b>	<b>2,414</b>
Natural Gas Liquids	385	—	385	1,464	66	884	2,414
Normal Butane	139	—	139	139	—	5	144
Isobutane	246	—	246	986	66	401	1,453
Natural Gasoline	—	—	—	339	—	478	817
<b>Other Liquids</b>	<b>-6,386</b>	<b>155</b>	<b>-6,231</b>	<b>-31,409</b>	<b>-4,786</b>	<b>-9,901</b>	<b>-46,096</b>
Hydrogen/Oxygenates/Renewables/Other Hydrocarbons	143	162	305	911	453	328	1,692
Hydrogen	85	9	94	629	250	177	1,056
Oxygenates (excluding Fuel Ethanol)	—	—	—	—	—	—	—
Methyl Tertiary Butyl Ether (MTBE)	—	—	—	—	—	—	—
All Other Oxygenates <sup>1</sup>	—	—	—	—	—	—	—
Renewable Fuels (including Fuel Ethanol)	58	153	211	254	203	151	608
Fuel Ethanol	58	126	184	165	143	130	438
Renewable Diesel Fuel <sup>2</sup>	—	27	27	89	60	21	170
Other Renewable Fuels	—	—	—	—	—	—	—
Other Hydrocarbons	—	—	—	28	—	—	28
Unfinished Oils (net)	3,609	-120	3,489	-641	-102	161	-582
Naphthas and Lighter	412	-81	331	-282	27	-70	-325
Kerosene and Light Gas Oils	242	—	242	110	-175	225	160
Heavy Gas Oils	2,025	-40	1,985	-239	46	130	-63
Residuum	930	1	931	-230	—	-124	-354
Motor Gasoline Blend.Comp. (MGBC)(net)	-10,138	113	-10,025	-31,679	-5,137	-10,390	-47,206
Reformulated - RBOB	-7,334	—	-7,334	-6,131	-255	—	-6,386
Conventional	-2,804	113	-2,691	-25,548	-4,882	-10,390	-40,820
CBOB	-2,898	74	-2,824	-25,337	-4,705	-10,169	-40,211
GTAB	—	—	—	—	—	—	—
Other	94	39	133	-211	-177	-221	-609
Aviation Gasoline Blend. Comp. (net)	—	—	—	—	—	—	—
<b>Total Input to Refineries</b>	<b>7,477</b>	<b>3,128</b>	<b>10,605</b>	<b>37,584</b>	<b>8,386</b>	<b>15,563</b>	<b>61,533</b>
<b>Atmospheric Crude Oil Distillation</b>							
Gross Input (daily average)	481	100	581	2,239	454	820	3,514
Operable Capacity (daily average)	791	98	889	2,703	547	927	4,177
Operable Utilization Rate (percent) <sup>3</sup>	60.8	102.1	65.4	82.8	83.0	88.5	84.1
<b>Downstream Processing</b>							
<b>Fresh Feed Input (daily average)</b>							
Catalytic Reforming	91	16	108	428	68	157	653
Catalytic Cracking	248	16	264	685	146	204	1,035
Catalytic Hydrocracking	33	—	33	168	65	59	291
Delayed and Fluid Coking	33	—	33	261	73	82	415
<b>Crude Oil Qualities</b>							
Sulfur Content, Weighted Average (percent)	0.70	1.70	0.88	1.51	1.89	0.57	1.34
API Gravity, Weighted Average (degrees)	36.89	31.90	35.95	33.32	25.69	38.67	33.51
<b>Operable Capacity (daily average)</b>	<b>791</b>	<b>98</b>	<b>889</b>	<b>2,703</b>	<b>547</b>	<b>927</b>	<b>4,177</b>
Operating	791	98	889	2,703	509	927	4,139
Idle	—	—	—	—	38	—	38
<b>Alaskan Crude Oil Receipts</b>	<b>—</b>	<b>—</b>	<b>—</b>	<b>—</b>	<b>—</b>	<b>—</b>	<b>—</b>

See footnotes at end of table.

**Table 30. Refinery Net Input of Crude Oil and Petroleum Products by PAD and Refining Districts, September 2020**  
(Thousand Barrels, Except Where Noted) — Continued

Commodity	PAD District 3 - Gulf Coast						PAD District 4 - Rocky Mountain	PAD District 5 - West Coast	U.S. Total
	Texas Inland	Texas Gulf Coast	Louisiana Gulf Coast	North Louisiana, Arkansas	New Mexico	Total			
<b>Crude Oil</b> .....	<b>20,568</b>	<b>116,484</b>	<b>62,701</b>	<b>7,240</b>	<b>2,996</b>	<b>209,989</b>	<b>17,582</b>	<b>57,948</b>	<b>407,185</b>
<b>Hydrocarbon Gas Liquids</b> .....	<b>515</b>	<b>4,622</b>	<b>2,902</b>	<b>32</b>	<b>141</b>	<b>8,212</b>	<b>392</b>	<b>1,767</b>	<b>13,170</b>
Natural Gas Liquids .....	515	4,622	2,902	32	141	8,212	392	1,767	13,170
Normal Butane .....	239	1,380	840	6	—	2,465	117	450	3,315
Isobutane .....	245	2,202	955	22	141	3,565	170	579	6,013
Natural Gasoline .....	31	1,040	1,107	4	—	2,182	105	738	3,842
<b>Other Liquids</b> .....	<b>-8,572</b>	<b>-45,107</b>	<b>-18,371</b>	<b>-1,593</b>	<b>-1,558</b>	<b>-75,201</b>	<b>-4,272</b>	<b>-28,307</b>	<b>-160,107</b>
Hydrogen/Oxygenates/Renewables/									
Other Hydrocarbons .....	280	1,880	1,404	112	54	3,730	466	1,686	7,879
Hydrogen .....	9	1,814	1,179	44	41	3,087	186	1,318	5,741
Oxygenates (excluding Fuel Ethanol) .....	—	—	—	—	—	—	—	—	—
Methyl Tertiary Butyl Ether (MTBE) .....	—	—	—	—	—	—	—	—	—
All Other Oxygenates <sup>1</sup> .....	—	—	—	—	—	—	—	—	—
Renewable Fuels (including Fuel Ethanol) .....	271	66	225	68	13	643	280	368	2,110
Fuel Ethanol .....	216	44	185	49	7	501	243	88	1,454
Renewable Diesel Fuel <sup>2</sup> .....	55	22	40	19	6	142	37	280	656
Other Renewable Fuels .....	—	—	—	—	—	—	—	—	—
Other Hydrocarbons .....	—	—	—	—	—	—	—	—	28
Unfinished Oils (net) .....	-185	-2,136	8,072	-148	-80	5,523	61	2,673	11,164
Naphthas and Lighter .....	-51	-4,977	179	-87	-61	-4,997	79	-178	-5,090
Kerosene and Light Gas Oils .....	20	-1,774	52	11	-28	-1,719	-324	67	-1,574
Heavy Gas Oils .....	-94	1,832	3,932	-19	9	5,660	245	1,646	9,473
Residuum .....	-60	2,783	3,909	-53	—	6,579	61	1,138	8,355
Motor Gasoline Blend Comp. (MGBC)(net) .....	-8,678	-44,851	-27,847	-1,557	-1,532	-84,465	-4,799	-32,666	-179,161
Reformulated - RBOB .....	-544	-12,045	-1,680	—	-675	-14,944	—	-23,940	-52,604
Conventional .....	-8,134	-32,806	-26,167	-1,557	-857	-69,521	-4,799	-8,726	-126,557
CBOB .....	-8,156	-27,029	-26,072	-1,533	-839	-63,629	-4,806	-8,372	-119,842
GTAB .....	—	—	—	—	—	—	—	—	—
Other .....	22	-5,777	-95	-24	-18	-5,892	7	-354	-6,715
Aviation Gasoline Blend. Comp. (net) .....	11	—	—	—	—	11	—	—	11
<b>Total Input to Refineries</b> .....	<b>12,511</b>	<b>75,999</b>	<b>47,232</b>	<b>5,679</b>	<b>1,579</b>	<b>143,000</b>	<b>13,702</b>	<b>31,408</b>	<b>260,248</b>
<b>Atmospheric Crude Oil Distillation</b>									
Gross Input (daily average) .....	685	4,035	2,295	221	100	7,337	587	2,119	14,138
Operable Capacity (daily average) .....	742	5,114	3,732	258	110	9,956	650	2,714	18,386
Operable Utilization Rate (percent) <sup>3</sup> .....	92.4	78.9	61.5	85.7	90.8	73.7	90.3	78.1	76.9
<b>Downstream Processing</b>									
<b>Fresh Feed Input (daily average)</b>									
Catalytic Reforming .....	161	614	384	33	21	1,214	99	370	2,443
Catalytic Cracking .....	176	1,188	688	17	28	2,097	164	608	4,168
Catalytic Hydrocracking .....	43	430	322	14	16	825	26	419	1,594
Delayed and Fluid Coking .....	23	602	386	25	—	1,036	52	420	1,955
<b>Crude Oil Qualities</b>									
Sulfur Content, Weighted Average (percent) .....	0.57	1.38	1.25	1.37	0.83	1.24	1.45	1.24	1.26
API Gravity, Weighted Average (degrees) .....	39.65	35.09	31.05	30.81	38.42	34.33	32.44	30.49	33.56
<b>Operable Capacity (daily average)</b> .....	<b>742</b>	<b>5,114</b>	<b>3,732</b>	<b>258</b>	<b>110</b>	<b>9,956</b>	<b>650</b>	<b>2,714</b>	<b>18,386</b>
Operating .....	742	4,853	2,811	258	110	8,774	641	2,660	17,103
Idle .....	—	261	922	—	—	1,182	10	54	1,283
<b>Alaskan Crude Oil Receipts</b> .....	<b>—</b>	<b>—</b>	<b>—</b>	<b>—</b>	<b>—</b>	<b>—</b>	<b>—</b>	<b>9,973</b>	<b>9,973</b>

— = Not Applicable.

NA = No Data Reported.

NA = Not Available.

<sup>1</sup> Includes ethyl tertiary butyl ether (ETBE), tertiary amyl methyl ether (TAME), tertiary butyl alcohol (TBA), and other aliphatic alcohols and ethers intended for motor gasoline blending (e.g., isopropyl ether (IPE) or n-propanol).

<sup>2</sup> Renewable diesel fuel includes biodiesel and other renewable diesel.

<sup>3</sup> Represents gross input divided by operable calendar day capacity.

Note: Totals may not equal sum of components due to independent rounding.

Note: Refer to Appendix A for Refining District descriptions.

Source: Energy Information Administration (EIA) Form EIA-810, "Monthly Refinery Report."

**Table 31. Refinery Net Production of Finished Petroleum Products by PAD and Refining Districts, September 2020**  
(Thousand Barrels)

Commodity	PAD District 1 - East Coast			PAD District 2 - Midwest			
	East Coast	Appalachian No. 1	Total	Indiana, Illinois, Kentucky	Minnesota, Wisconsin, North and South Dakota	Oklahoma, Kansas, Missouri	Total
Hydrocarbon Gas Liquids .....	377	19	396	2,745	299	531	3,575
Natural Gas Liquids .....	-101	19	-82	1,730	160	363	2,253
Ethane .....	-	-	-	-	-	-	-
Propane .....	326	27	353	1,470	273	454	2,197
Normal Butane .....	-306	5	-301	324	-74	-43	207
Isobutane .....	-121	-13	-134	-64	-39	-48	-151
Natural Gasoline .....	-	-	-	-	-	-	-
Refinery Olefins .....	478	-	478	1,015	139	168	1,322
Ethylene .....	13	-	13	-	-	-	-
Propylene .....	487	-	487	945	139	171	1,255
Normal Butylene .....	-41	-	-41	70	-	-3	67
Isobutylene .....	19	-	19	-	-	-	-
Finished Motor Gasoline .....	578	1,259	1,837	5,933	2,305	3,106	11,344
Reformulated .....	578	-	578	-	-	-	-
Reformulated Blended with Fuel Ethanol .....	578	-	578	-	-	-	-
Reformulated Other .....	-	-	-	-	-	-	-
Conventional .....	-	1,259	1,259	5,933	2,305	3,106	11,344
Conventional Blended with Fuel Ethanol .....	-	1,272	1,272	1,676	1,431	1,339	4,446
Ed55 and Lower .....	-	1,272	1,272	1,676	1,431	1,339	4,446
Greater than Ed55 .....	-	-	-	-	-	-	-
Conventional Other .....	-	-13	-13	4,257	874	1,767	6,898
Finished Aviation Gasoline .....	-	-	-	-	16	-	16
Kerosene-Type Jet Fuel .....	526	-	526	4,548	503	541	5,592
Kerosene .....	208	4	212	81	-	4	85
Distillate Fuel Oil .....	3,918	740	4,658	17,607	3,656	10,018	31,281
15 ppm sulfur and under .....	3,993	708	4,701	17,750	3,689	10,039	31,478
Greater than 15 ppm to 500 ppm sulfur .....	8	17	25	-	-	-18	-18
Greater than 500 ppm sulfur .....	-83	15	-68	-143	-33	-3	-179
Residual Fuel Oil .....	1,021	-	1,021	561	186	127	874
Less than 0.31 percent sulfur .....	-	-	-	11	-	-	11
0.31 to 1.00 percent sulfur .....	818	-	818	207	56	29	292
Greater than 1.00 percent sulfur .....	203	-	203	343	130	98	571
Petrochemical Feedstocks .....	-	-	-	828	-	28	856
Naphtha for Petro. Feed. Use .....	-	-	-	514	-	-	514
Other Oils for Petro. Feed. Use .....	-	-	-	314	-	28	342
Special Naphthas .....	-	22	22	-17	-	16	-1
Lubricants .....	162	217	379	-	-	211	211
Waxes .....	-	-15	-15	-	-	38	38
Petroleum Coke .....	631	19	650	3,399	897	807	5,103
Marketable .....	213	-	213	2,429	733	568	3,730
Catalyst .....	418	19	437	970	164	239	1,373
Asphalt and Road Oil .....	426	701	1,127	3,416	937	234	4,587
Still Gas .....	832	49	881	2,426	562	1,014	4,002
Miscellaneous Products .....	37	27	64	256	106	41	403
<b>Total .....</b>	<b>8,716</b>	<b>3,042</b>	<b>11,758</b>	<b>41,783</b>	<b>9,467</b>	<b>16,716</b>	<b>67,966</b>
Processing Gain(-) or Loss(+) <sup>1</sup> .....	-1,239	86	-1,153	-4,199	-1,081	-1,153	-6,433

See footnotes at end of table.

**Table 31. Refinery Net Production of Finished Petroleum Products by PAD and Refining Districts, September 2020**  
(Thousand Barrels) — Continued

Commodity	PAD District 3 - Gulf Coast						PAD District 4 - Rocky Mountain	PAD District 5 - West Coast	U.S. Total
	Texas Inland	Texas Gulf Coast	Louisiana Gulf Coast	North Louisiana, Arkansas	New Mexico	Total			
Hydrocarbon Gas Liquids .....	856	6,470	3,614	26	25	10,991	334	1,370	16,666
Natural Gas Liquids .....	455	3,366	1,178	0	24	5,023	248	1,245	8,687
Ethane .....	9	113	10	—	—	132	—	—	132
Propane .....	302	2,159	1,501	11	32	4,005	254	989	7,798
Normal Butane .....	188	1,523	-371	-11	-7	1,322	14	250	1,492
Isobutane .....	-44	-429	38	—	-1	-436	-20	6	-735
Natural Gasoline .....	—	—	—	—	—	—	—	—	—
Refinery Olefins .....	401	3,104	2,436	26	1	5,968	86	125	7,979
Ethylene .....	—	5	—	—	—	5	—	—	18
Propylene .....	388	3,341	2,429	26	—	6,184	20	145	8,091
Normal Butylene .....	13	-206	7	—	1	-185	66	-20	-113
Isobutylene .....	—	-36	—	—	—	-36	—	—	-17
Finished Motor Gasoline .....	2,730	11,520	7,915	540	99	22,804	4,491	1,997	42,473
Reformulated .....	—	—	—	—	—	—	—	521	1,099
Reformulated Blended with Fuel Ethanol .....	—	—	—	—	—	—	—	521	1,099
Reformulated Other .....	—	—	—	—	—	—	—	—	—
Conventional .....	2,730	11,520	7,915	540	99	22,804	4,491	1,476	41,374
Conventional Blended with Fuel Ethanol .....	2,156	441	1,837	509	54	4,997	2,485	327	13,527
Ed55 and Lower .....	2,155	441	1,837	509	54	4,996	2,485	327	13,526
Greater than Ed55 .....	1	—	—	—	—	1	—	—	1
Conventional Other .....	574	11,079	6,078	31	45	17,807	2,006	1,149	27,847
Finished Aviation Gasoline .....	105	114	51	—	—	270	7	45	338
Kerosene-Type Jet Fuel .....	1,108	6,914	2,890	218	—	11,130	715	6,001	23,964
Kerosene .....	-10	291	—	16	—	297	—	0	594
Distillate Fuel Oil .....	6,607	38,089	27,149	2,509	1,228	75,582	5,995	16,240	133,756
15 ppm sulfur and under .....	6,611	36,887	24,937	2,398	1,228	72,061	5,919	15,724	129,883
Greater than 15 ppm to 500 ppm sulfur .....	-4	1,065	1,159	94	—	2,314	91	187	2,599
Greater than 500 ppm sulfur .....	—	137	1,053	17	—	1,207	-15	329	1,274
Residual Fuel Oil .....	271	434	593	-43	61	1,316	316	1,865	5,392
Less than 0.31 percent sulfur .....	231	—	—	—	—	231	180	45	467
0.31 to 1.00 percent sulfur .....	3	284	119	-43	—	363	15	601	2,089
Greater than 1.00 percent sulfur .....	37	150	474	—	61	722	121	1,219	2,836
Petrochemical Feedstocks .....	130	5,264	1,716	—	—	7,110	—	2	7,968
Naphtha for Petro. Feed. Use .....	120	3,603	744	—	—	4,467	—	2	4,983
Other Oils for Petro. Feed. Use .....	10	1,661	972	—	—	2,643	—	—	2,985
Special Naphthas .....	62	705	—	212	—	979	—	31	1,031
Lubricants .....	16	1,532	1,077	765	—	3,390	—	489	4,469
Waxes .....	—	45	50	25	—	120	—	—	143
Petroleum Coke .....	355	6,883	4,258	128	24	11,648	664	3,835	21,900
Marketable .....	126	5,249	3,343	112	—	8,830	452	2,955	16,180
Catalyst .....	229	1,634	915	16	24	2,818	212	880	5,720
Asphalt and Road Oil .....	291	6	532	1,094	68	1,991	1,211	853	9,769
Still Gas .....	700	5,605	2,675	253	67	9,300	603	3,084	17,870
Miscellaneous Products .....	143	764	378	15	33	1,333	133	362	2,295
<b>Total .....</b>	<b>13,364</b>	<b>84,636</b>	<b>52,898</b>	<b>5,758</b>	<b>1,605</b>	<b>158,261</b>	<b>14,469</b>	<b>36,174</b>	<b>288,628</b>
Processing Gain(-) or Loss(+) <sup>1</sup> .....	-853	-8,637	-5,666	-79	-26	-15,261	-767	-4,766	-28,380

— = No Data Reported.

<sup>1</sup> Represents the arithmetic difference between input and production.

Note: Refer to Appendix A for Refining District descriptions.

Source: Energy Information Administration (EIA) Form EIA-810, "Monthly Refinery Report."



**Table 32. Blender Net Inputs of Petroleum Products by PAD District, September 2020**  
(Thousand Barrels)

Commodity	PAD District 1 - East Coast			PAD District 2 - Midwest			
	East Coast	Appalachian No. 1	Total	Indiana, Illinois, Kentucky	Minnesota, Wisconsin, North and South Dakota	Oklahoma, Kansas, Missouri	Total
<b>Hydrocarbon Gas Liquids</b> .....	<b>1,022</b>	<b>-</b>	<b>1,022</b>	<b>106</b>	<b>94</b>	<b>377</b>	<b>577</b>
Natural Gas Liquids .....	1,022	-	1,022	106	94	377	577
Normal Butane .....	893	-	893	106	92	302	500
Isobutane .....	-	-	-	-	-	-	-
Natural Gasoline .....	129	-	129	-	2	75	77
<b>Other Liquids</b> .....	<b>80,704</b>	<b>5,216</b>	<b>85,920</b>	<b>40,811</b>	<b>8,131</b>	<b>12,083</b>	<b>61,025</b>
Oxygenates/Renewables .....	8,645	562	9,207	4,465	1,081	1,377	6,923
Oxygenates (excluding Fuel Ethanol) .....	-	-	-	-	-	-	-
Methyl Tertiary Butyl Ether (MTBE) .....	-	-	-	-	-	-	-
All Other Oxygenates <sup>1</sup> .....	-	-	-	-	-	-	-
Renewable Fuels (including Fuel Ethanol) .....	8,645	562	9,207	4,465	1,081	1,377	6,923
Fuel Ethanol .....	8,430	524	8,954	4,304	890	1,316	6,510
Renewable Diesel Fuel <sup>2</sup> .....	215	38	253	161	191	61	413
Other Renewable Fuels .....	-	-	-	-	-	-	-
Unfinished Oils (net) .....	-	-	-	28	-	-	28
Naphthas and Lighter .....	-	-	-	-	-	-	-
Kerosene and Light Gas Oils .....	-	-	-	-	-	-	-
Heavy Gas Oils .....	-	-	-	4	-	-	4
Residuum .....	-	-	-	24	-	-	24
Motor Gasoline Blend.Comp. (MGBC)(net) .....	72,059	4,654	76,713	36,318	7,050	10,706	54,074
Reformulated - RBOB .....	22,152	-	22,152	5,904	1,227	841	7,972
Conventional .....	49,907	4,654	54,561	30,414	5,823	9,865	46,102
CBOB .....	40,962	4,654	45,616	30,370	5,823	9,865	46,058
GTAB .....	3,715	-	3,715	-	-	-	-
Other .....	5,230	-	5,230	44	-	-	44
Aviation Gasoline Blend. Comp. (net) .....	-	-	-	-	-	-	-
<b>Total Input</b> .....	<b>81,726</b>	<b>5,216</b>	<b>86,942</b>	<b>40,917</b>	<b>8,225</b>	<b>12,460</b>	<b>61,602</b>

Commodity	PAD District 3 - Gulf Coast						PAD District 4 - Rocky Mountain	PAD District 5 - West Coast	U.S. Total
	Texas Inland	Texas Gulf Coast	Louisiana Gulf Coast	North Louisiana, Arkansas	New Mexico	Total			
<b>Hydrocarbon Gas Liquids</b> .....	<b>20</b>	<b>1,009</b>	<b>128</b>	<b>46</b>	<b>-</b>	<b>1,203</b>	<b>64</b>	<b>46</b>	<b>2,912</b>
Natural Gas Liquids .....	20	1,009	128	46	-	1,203	64	46	2,912
Normal Butane .....	12	376	128	45	-	561	46	46	2,046
Isobutane .....	-	-	-	-	-	-	3	-	3
Natural Gasoline .....	8	633	-	1	-	642	15	-	863
<b>Other Liquids</b> .....	<b>16,160</b>	<b>8,814</b>	<b>2,845</b>	<b>8,213</b>	<b>1,272</b>	<b>37,304</b>	<b>4,612</b>	<b>39,133</b>	<b>227,994</b>
Oxygenates/Renewables .....	1,689	762	292	935	140	3,818	643	4,511	25,102
Oxygenates (excluding Fuel Ethanol) .....	-	-	-	-	-	-	-	-	-
Methyl Tertiary Butyl Ether (MTBE) .....	-	-	-	-	-	-	-	-	-
All Other Oxygenates <sup>1</sup> .....	-	-	-	-	-	-	-	-	-
Renewable Fuels (including Fuel Ethanol) .....	1,689	762	292	935	140	3,818	643	4,511	25,102
Fuel Ethanol .....	1,657	715	292	907	128	3,699	623	4,115	23,901
Renewable Diesel Fuel <sup>2</sup> .....	32	47	-	28	12	119	20	383	1,188
Other Renewable Fuels .....	-	-	-	-	-	-	-	13	13
Unfinished Oils (net) .....	-	-431	10	-	-	-421	-	-	-393
Naphthas and Lighter .....	-	-	-	-	-	-	-	-	-
Kerosene and Light Gas Oils .....	-	-431	10	-	-	-421	-	-	-421
Heavy Gas Oils .....	-	-	-	-	-	-	-	-	4
Residuum .....	-	-	-	-	-	-	-	-	24
Motor Gasoline Blend.Comp. (MGBC)(net) .....	14,471	8,483	2,543	7,278	1,132	33,907	3,969	34,622	203,285
Reformulated - RBOB .....	5,878	4,986	-	11	-	10,875	-	24,498	65,497
Conventional .....	8,593	3,497	2,543	7,267	1,132	23,032	3,969	10,124	137,788
CBOB .....	8,593	-1,753	1,030	7,267	1,127	16,264	3,968	9,069	120,975
GTAB .....	-	-	-	-	-	-	-	-	3,715
Other .....	-	5,250	1,513	-	5	6,768	1	1,055	13,098
Aviation Gasoline Blend. Comp. (net) .....	-	-	-	-	-	-	-	-	-
<b>Total Input</b> .....	<b>16,180</b>	<b>9,823</b>	<b>2,973</b>	<b>8,259</b>	<b>1,272</b>	<b>38,507</b>	<b>4,676</b>	<b>39,179</b>	<b>230,906</b>

-- = Not Applicable.

- = No Data Reported.

<sup>1</sup> Includes ethyl tertiary butyl ether (ETBE), tertiary amyl methyl ether (TAME), tertiary butyl alcohol (TBA), and other aliphatic alcohols and ethers intended for motor gasoline blending (e.g., isopropyl ether (IPE) or n-propanol).

<sup>2</sup> Renewable diesel fuel includes biodiesel and other renewable diesel.

Note: Refer to Appendix A for Refining District descriptions.

Sources: Energy Information Administration (EIA) Form EIA-815, "Monthly Bulk Terminal Report."

**Table 33. Blender Net Production of Petroleum Products by PAD District, September 2020**  
(Thousand Barrels)

Commodity	PAD District 1 - East Coast			PAD District 2 - Midwest			
	East Coast	Appalachian No. 1	Total	Indiana, Illinois, Kentucky	Minnesota, Wisconsin, North and South Dakota	Oklahoma, Kansas, Missouri	Total
Finished Motor Gasoline .....	81,518	5,187	86,705	40,835	8,033	12,402	61,270
Reformulated .....	33,424	2	33,426	6,972	1,367	935	9,274
Reformulated Blended with Fuel Ethanol .....	33,424	2	33,426	6,972	1,367	935	9,274
Reformulated Other .....	-	-	-	-	-	-	-
Conventional .....	48,094	5,185	53,279	33,863	6,666	11,467	51,996
Conventional Blended with Fuel Ethanol .....	49,897	5,226	55,123	35,504	7,287	11,766	54,557
Ed55 and Lower .....	49,862	5,226	55,088	35,493	7,267	11,707	54,467
Greater than Ed55 .....	35	-	35	11	20	59	90
Conventional Other .....	-1,803	-41	-1,844	-1,641	-621	-299	-2,561
Finished Aviation Gasoline .....	-	-	-	-	-	-	-
Kerosene-Type Jet Fuel .....	0	-1	-1	-15	-32	-4	-51
Kerosene .....	-1	-	-1	-	-	-	-
Distillate Fuel Oil .....	210	28	238	65	221	57	343
15 ppm sulfur and under .....	210	28	238	65	221	58	344
Greater than 15 ppm to 500 ppm sulfur .....	6	-	6	-	-	104	104
Greater than 500 ppm sulfur .....	-6	-	-6	-	-	-105	-105
Residual Fuel Oil .....	-4	-	-4	-	-	-1	-1
Less than 0.31 percent sulfur .....	-9	-	-9	-	-	-	-
0.31 to 1.00 percent sulfur .....	-1	-	-1	-	-	-1	-1
Greater than 1.00 percent sulfur .....	6	-	6	-	-	-	-
Special Naphthas .....	-	-	-	-	-	-	-
Lubricants .....	-	-	-	-	-	-	-
Asphalt and Road Oil .....	1	-	1	28	2	9	39
Miscellaneous Products .....	-	-	-	-	-	-	-
<b>Total Production .....</b>	<b>81,724</b>	<b>5,214</b>	<b>86,938</b>	<b>40,913</b>	<b>8,224</b>	<b>12,463</b>	<b>61,600</b>
Processing Gain(-) or Loss(+) <sup>1</sup> .....	2	2	4	4	1	-3	2

Commodity	PAD District 3 - Gulf Coast						PAD District 4 - Rocky Mountain	PAD District 5 - West Coast	U.S. Total
	Texas Inland	Texas Gulf Coast	Louisiana Gulf Coast	North Louisiana, Arkansas	New Mexico	Total			
Finished Motor Gasoline .....	16,151	10,216	2,964	8,232	1,259	38,822	4,657	38,787	230,241
Reformulated .....	6,402	5,642	-	-	-	12,044	-	28,143	82,887
Reformulated Blended with Fuel Ethanol .....	6,402	5,642	-	-	-	12,044	-	28,143	82,887
Reformulated Other .....	-	-	-	-	-	-	-	-	-
Conventional .....	9,749	4,574	2,964	8,232	1,259	26,778	4,657	10,644	147,354
Conventional Blended with Fuel Ethanol .....	9,949	1,433	2,916	9,012	1,305	24,615	6,219	12,465	152,979
Ed55 and Lower .....	9,934	1,433	2,916	9,004	1,304	24,591	6,207	12,415	152,768
Greater than Ed55 .....	15	-	-	8	1	24	12	50	211
Conventional Other .....	-200	3,141	48	-780	-46	2,163	-1,562	-1,821	-5,625
Finished Aviation Gasoline .....	-	-	-	-	-	-	-	-	-
Kerosene-Type Jet Fuel .....	0	-	-	-	0	0	66	7	21
Kerosene .....	-	-	-	-	-	-	-	-	-1
Distillate Fuel Oil .....	31	84	-32	29	12	124	-47	382	1,040
15 ppm sulfur and under .....	31	38	-	29	12	110	-47	372	1,017
Greater than 15 ppm to 500 ppm sulfur .....	-	-	-	-	-	-	-	-	110
Greater than 500 ppm sulfur .....	-	46	-32	-	-	14	-	10	-87
Residual Fuel Oil .....	-	-477	42	-	-	-435	-	0	-440
Less than 0.31 percent sulfur .....	-	-	32	-	-	32	-	-2	21
0.31 to 1.00 percent sulfur .....	-	-	7	-	-	7	-	2	7
Greater than 1.00 percent sulfur .....	-	-477	3	-	-	-474	-	-	-468
Special Naphthas .....	-	-	-	-	-	-	-	-	-
Lubricants .....	-	-	-	-	-	-	-	-	-
Asphalt and Road Oil .....	-	-	-	-	-	-	-	-	40
Miscellaneous Products .....	-	-	-	-	-	-	-	-	-
<b>Total Production .....</b>	<b>16,182</b>	<b>9,823</b>	<b>2,974</b>	<b>8,261</b>	<b>1,271</b>	<b>38,511</b>	<b>4,676</b>	<b>39,176</b>	<b>230,901</b>
Processing Gain(-) or Loss(+) <sup>1</sup> .....	-2	0	-1	-2	1	-4	0	3	5

- = No Data Reported.

<sup>1</sup> Represents the arithmetic difference between input and production.

Note: Refer to Appendix A for Refining District descriptions.

Sources: Energy Information Administration (EIA) Form EIA-815, "Monthly Bulk Terminal Report."

**Table 34. Refinery Stocks of Crude Oil and Petroleum Products by PAD and Refining Districts, September 2020**  
(Thousand Barrels)

Commodity	PAD District 1 - East Coast			PAD District 2 - Midwest			
	East Coast	Appalachian No. 1	Total	Indiana, Illinois, Kentucky	Minnesota, Wisconsin, North and South Dakota	Oklahoma, Kansas, Missouri	Total
<b>Crude Oil</b>	<b>5,403</b>	<b>701</b>	<b>6,104</b>	<b>9,198</b>	<b>1,831</b>	<b>1,935</b>	<b>12,964</b>
<b>Petroleum Products</b>	<b>8,530</b>	<b>1,874</b>	<b>10,404</b>	<b>29,966</b>	<b>6,566</b>	<b>10,640</b>	<b>47,172</b>
Hydrocarbon Gas Liquids	679	62	741	3,192	482	1,744	5,418
Natural Gas Liquids	366	62	428	2,283	462	1,732	4,477
Ethane	—	—	—	—	—	—	—
Propane	61	3	64	533	35	1,158	1,726
Normal Butane	152	48	200	1,328	384	298	2,010
Isobutane	153	11	164	302	43	157	502
Natural Gasoline	—	—	—	120	—	119	239
Refinery Olefins	313	0	313	909	20	12	941
Ethylene	—	—	—	—	—	—	—
Propylene	119	0	119	356	20	8	384
Normal Butylene	176	0	176	553	0	4	557
Isobutylene	18	0	18	0	0	0	0
Oxygenates/Renewable Fuels/Other Hydrocarbons	81	95	176	73	54	33	160
Oxygenates (excluding Fuel Ethanol)	—	—	—	—	—	—	—
Methyl Tertiary Butyl Ether (MTBE)	—	—	—	—	—	—	—
All Other Oxygenates <sup>1</sup>	—	—	—	—	—	—	—
Renewable Fuels (including Fuel Ethanol)	81	95	176	53	54	33	140
Fuel Ethanol	81	89	170	29	45	28	102
Renewable Diesel Fuel <sup>2</sup>	—	6	6	24	9	5	38
Other Renewable Fuels	—	—	—	—	—	—	—
Other Hydrocarbons	—	—	—	20	—	—	20
Unfinished Oils	3,020	390	3,410	8,265	831	3,530	12,626
Naphthas and Lighter	511	264	775	2,180	192	919	3,291
Kerosene and Light Gas Oils	456	—	456	1,590	350	366	2,306
Heavy Gas Oils	1,398	123	1,521	3,102	285	1,377	4,764
Residuum	655	3	658	1,393	4	868	2,265
Motor Gasoline Blending Components (MGBC)	2,675	199	2,874	7,532	1,758	2,617	11,907
Reformulated - RBOB	933	—	933	1,079	—	—	1,079
Conventional	1,742	199	1,941	6,453	1,758	2,617	10,828
CBOB	169	153	322	2,389	964	1,560	4,913
GTAB	—	—	—	—	—	—	—
Other	1,573	46	1,619	4,064	794	1,057	5,915
Aviation Gasoline Blending Components	—	—	—	—	—	—	—
Finished Motor Gasoline	—	26	26	925	299	295	1,519
Reformulated	—	—	—	—	—	—	—
Reformulated Blended with Fuel Ethanol	—	—	—	—	—	—	—
Reformulated Other	—	—	—	—	—	—	—
Conventional	—	26	26	925	299	295	1,519
Conventional Blended with Fuel Ethanol	—	—	—	—	—	—	—
Ed55 and Lower	—	—	—	—	—	—	—
Greater than Ed55	—	—	—	—	—	—	—
Conventional Other	—	26	26	925	299	295	1,519
Finished Aviation Gasoline	—	—	—	—	33	—	33
Kerosene-Type Jet Fuel	295	—	295	1,340	284	149	1,773
Kerosene	61	8	69	70	—	14	84
Distillate Fuel Oil	974	202	1,176	3,397	1,051	1,539	5,987
15 ppm sulfur and under	826	153	979	3,293	862	1,380	5,535
Greater than 15 ppm to 500 ppm sulfur	33	25	58	—	9	38	47
Greater than 500 ppm sulfur	115	24	139	104	180	121	405
Residual Fuel Oil	176	17	193	654	236	66	956
Less than 0.31 percent sulfur	—	16	16	24	—	—	24
0.31 to 1.00 percent sulfur	40	1	41	155	43	30	228
Greater than 1.00 percent sulfur	136	—	136	475	193	36	704
Petrochemical Feedstocks	—	—	—	527	—	—	527
Naphtha for Petro. Feed. Use	—	—	—	428	—	—	428
Other Oils for Petro. Feed. Use	—	—	—	99	—	—	99
Special Naphthas	—	20	20	91	—	20	111
Lubricants	389	201	590	—	—	136	136
Waxes	—	246	246	—	—	46	46
Petroleum Coke	—	—	—	1,263	567	173	2,003
Marketable	—	—	—	1,263	567	173	2,003
Catalyst	—	—	—	—	—	—	—
Asphalt and Road Oil	170	368	538	2,564	957	271	3,792
Miscellaneous Products	10	40	50	73	14	7	94
<b>Total Stocks, All Oils</b>	<b>13,933</b>	<b>2,575</b>	<b>16,508</b>	<b>39,164</b>	<b>8,397</b>	<b>12,575</b>	<b>60,136</b>

See footnotes at end of table.

**Table 34. Refinery Stocks of Crude Oil and Petroleum Products by PAD and Refining Districts, September 2020**  
(Thousand Barrels) — Continued

Commodity	PAD District 3 - Gulf Coast						PAD District 4 - Rocky Mountain	PAD District 5 - West Coast	U.S. Total
	Texas Inland	Texas Gulf Coast	Louisiana Gulf Coast	North Louisiana, Arkansas	New Mexico	Total			
<b>Crude Oil</b>	<b>2,070</b>	<b>24,961</b>	<b>17,876</b>	<b>1,293</b>	<b>335</b>	<b>46,535</b>	<b>2,450</b>	<b>20,741</b>	<b>88,794</b>
<b>Petroleum Products</b>	<b>11,123</b>	<b>57,403</b>	<b>46,065</b>	<b>3,569</b>	<b>1,203</b>	<b>119,363</b>	<b>9,999</b>	<b>44,643</b>	<b>231,581</b>
Hydrocarbon Gas Liquids	3,961	2,416	5,258	15	59	11,709	582	1,521	19,971
Natural Gas Liquids	3,127	1,843	4,134	14	52	9,170	491	1,434	16,000
Ethane	124	—	—	—	—	124	—	—	124
Propane	450	393	135	2	3	983	42	84	2,899
Normal Butane	2,193	1,210	2,657	8	17	6,085	351	966	9,612
Isobutane	132	217	1,025	4	14	1,392	86	381	2,525
Natural Gasoline	228	23	317	—	18	586	12	3	840
Refinery Olefins	834	573	1,124	1	7	2,539	91	87	3,971
Ethylene	0	—	—	—	—	0	—	—	0
Propylene	775	44	186	1	0	1,006	0	7	1,516
Normal Butylene	59	529	938	0	7	1,533	91	80	2,437
Isobutylene	0	0	0	0	0	0	0	0	18
Oxygenates/Renewable Fuels/Other Hydrocarbons	43	52	173	52	4	324	190	422	1,272
Oxygenates (excluding Fuel Ethanol)	—	—	—	—	—	—	—	—	—
Methyl Tertiary Butyl Ether (MTBE)	—	—	—	—	—	—	—	—	—
All Other Oxygenates <sup>1</sup>	—	—	—	—	—	—	—	—	—
Renewable Fuels (including Fuel Ethanol)	43	52	173	52	4	324	190	422	1,252
Fuel Ethanol	30	38	83	20	—	171	121	47	611
Renewable Diesel Fuel <sup>2</sup>	13	14	90	32	4	153	69	375	641
Other Renewable Fuels	—	—	—	—	—	—	—	—	—
Other Hydrocarbons	—	—	—	—	—	—	—	—	20
Unfinished Oils	2,076	21,148	14,231	783	591	38,829	2,711	15,487	73,063
Naphthas and Lighter	875	6,280	1,860	290	213	9,518	655	2,840	17,079
Kerosene and Light Gas Oils	281	3,692	1,911	133	132	6,149	512	2,602	12,025
Heavy Gas Oils	483	8,632	7,540	338	246	17,239	1,164	7,338	32,026
Residuum	437	2,544	2,920	22	—	5,923	380	2,707	11,933
Motor Gasoline Blending Components (MGBC)	2,639	12,907	11,303	310	219	27,378	2,953	13,493	58,605
Reformulated - RBOB	163	1,229	244	—	—	1,636	—	4,960	8,608
Conventional	2,476	11,678	11,059	310	219	25,742	2,953	8,533	49,997
CBOB	1,429	3,227	5,658	268	21	10,603	1,525	2,576	19,939
GTAB	—	—	—	—	—	—	—	—	—
Other	1,047	8,451	5,401	42	198	15,139	1,428	5,957	30,058
Aviation Gasoline Blending Components	12	—	14	—	—	26	—	—	26
Finished Motor Gasoline	199	1,347	1,432	17	—	2,995	867	872	6,279
Reformulated	—	—	—	—	—	—	—	16	16
Reformulated Blended with Fuel Ethanol	—	—	—	—	—	—	—	16	16
Reformulated Other	—	—	—	—	—	—	—	—	—
Conventional	199	1,347	1,432	17	—	2,995	867	856	6,263
Conventional Blended with Fuel Ethanol	—	—	—	—	—	—	83	—	83
Ed55 and Lower	—	—	—	—	—	—	83	—	83
Greater than Ed55	—	—	—	—	—	—	—	—	—
Conventional Other	199	1,347	1,432	17	—	2,995	784	856	6,180
Finished Aviation Gasoline	31	177	119	—	—	327	6	176	542
Kerosene-Type Jet Fuel	370	3,054	1,829	81	—	5,334	290	2,920	10,612
Kerosene	24	—	35	2	—	61	1	1	216
Distillate Fuel Oil	948	8,010	5,598	347	108	15,011	1,550	5,092	28,816
15 ppm sulfur and under	933	7,189	4,073	195	108	12,498	1,353	4,358	24,723
Greater than 15 ppm to 500 ppm sulfur	15	142	635	71	—	863	117	242	1,327
Greater than 500 ppm sulfur	—	679	890	81	—	1,650	80	492	2,766
Residual Fuel Oil	110	1,885	1,199	15	75	3,284	190	2,064	6,687
Less than 0.31 percent sulfur	16	—	17	—	—	33	27	18	118
0.31 to 1.00 percent sulfur	44	275	199	15	—	533	3	313	1,118
Greater than 1.00 percent sulfur	50	1,610	983	—	75	2,718	160	1,733	5,451
Petrochemical Feedstocks	111	1,459	698	20	—	2,288	—	2	2,817
Naphtha for Petro. Feed. Use	31	910	675	20	—	1,636	—	2	2,066
Other Oils for Petro. Feed. Use	80	549	23	—	—	652	—	—	751
Special Naphthas	158	561	—	77	—	796	—	38	965
Lubricants	48	1,932	1,802	594	—	4,376	—	556	5,658
Waxes	—	52	77	68	—	197	—	—	489
Petroleum Coke	9	2,035	1,782	—	—	3,826	118	1,314	7,261
Marketable	9	2,035	1,782	—	—	3,826	118	1,314	7,261
Catalyst	—	—	—	—	—	—	—	—	—
Asphalt and Road Oil	374	161	428	1,188	121	2,272	522	582	7,706
Miscellaneous Products	10	207	87	—	26	330	19	103	596
<b>Total Stocks, All Oils</b>	<b>13,193</b>	<b>82,364</b>	<b>63,941</b>	<b>4,862</b>	<b>1,538</b>	<b>165,898</b>	<b>12,449</b>	<b>65,384</b>	<b>320,375</b>

— = Not Applicable.

— = No Data Reported.

<sup>1</sup> Includes ethyl tertiary butyl ether (ETBE), tertiary amyl methyl ether (TAME), tertiary butyl alcohol (TBA), and other aliphatic alcohols and ethers intended for motor gasoline blending (e.g., isopropyl ether (IPE) or n-propanol).

<sup>2</sup> Renewable diesel fuel includes biodiesel and other renewable diesel.

Note: Refer to Appendix A for Refining District descriptions.

Source: Energy Information Administration (EIA) Form EIA-810, "Monthly Refinery Report."

Table 35. Percent Yield of Petroleum Products by PAD and Refining Districts, September 2020

Commodity	PAD District 1 - East Coast			PAD District 2 - Midwest			
	East Coast	Appalachian No. 1	Total	Indiana, Illinois, Kentucky	Minnesota, Wisconsin, North and South Dakota	Oklahoma, Kansas, Missouri	Total
Hydrocarbon Gas Liquids .....	2.2	0.7	2.0	4.1	2.3	2.1	3.4
Finished Motor Gasoline <sup>1</sup> .....	59.8	35.6	56.4	53.3	54.6	50.1	52.7
Finished Aviation Gasoline <sup>2</sup> .....	—	—	—	—	0.1	—	0.0
Kerosene-Type Jet Fuel .....	3.1	—	2.6	6.7	3.8	2.2	5.3
Kerosene .....	1.2	0.1	1.1	0.1	—	0.0	0.1
Distillate Fuel Oil <sup>3</sup> .....	22.8	24.9	23.1	25.9	27.1	40.1	29.4
Residual Fuel Oil .....	6.0	—	5.1	0.8	1.4	0.5	0.8
Naphtha for Petro. Feed. Use .....	—	—	—	0.8	—	—	0.5
Other Oils for Petro. Feed. Use .....	—	—	—	0.5	—	0.1	0.3
Special Naphthas .....	—	0.8	0.1	0.0	—	0.1	0.0
Lubricants .....	0.9	7.6	1.9	—	—	0.9	0.2
Waxes .....	—	-0.5	-0.1	—	—	0.2	0.0
Petroleum Coke .....	3.7	0.7	3.2	5.0	6.8	3.2	4.8
Asphalt and Road Oil .....	2.5	24.5	5.6	5.1	7.1	0.9	4.3
Still Gas .....	4.9	1.7	4.4	3.6	4.2	4.1	3.8
Miscellaneous Products .....	0.2	0.9	0.3	0.4	0.8	0.2	0.4
Processing Gain(-) or Loss(+) <sup>4</sup> .....	-7.2	3.1	-5.7	-6.2	-8.2	-4.6	-6.1

Commodity	PAD District 3 - Gulf Coast						PAD District 4 - Rocky Mountain	PAD District 5 - West Coast	U.S. Total
	Texas Inland	Texas Gulf Coast	Louisiana Gulf Coast	North Louisiana, Arkansas	New Mexico	Total			
Hydrocarbon Gas Liquids .....	4.2	5.6	5.0	0.4	0.9	5.0	1.9	2.2	3.9
Finished Motor Gasoline <sup>1</sup> .....	52.4	44.5	45.4	28.3	50.2	45.1	48.5	53.0	48.8
Finished Aviation Gasoline <sup>2</sup> .....	0.5	0.1	0.1	—	—	0.1	0.0	0.1	0.1
Kerosene-Type Jet Fuel .....	5.4	6.0	4.0	3.1	—	5.1	4.0	9.7	5.7
Kerosene .....	-0.1	0.3	—	0.2	—	0.1	—	0.0	0.1
Distillate Fuel Oil <sup>3</sup> .....	32.1	32.8	37.7	34.9	41.3	34.5	33.4	25.8	31.4
Residual Fuel Oil .....	1.3	0.4	0.8	-0.6	2.1	0.6	1.8	3.0	1.3
Naphtha for Petro. Feed. Use .....	0.6	3.1	1.0	—	—	2.0	—	0.0	1.2
Other Oils for Petro. Feed. Use .....	0.1	1.4	1.4	—	—	1.2	—	—	0.7
Special Naphthas .....	0.3	0.6	—	3.0	—	0.5	—	0.1	0.2
Lubricants .....	0.1	1.3	1.5	10.7	—	1.6	—	0.8	1.1
Waxes .....	—	0.0	0.1	0.4	—	0.1	—	—	0.0
Petroleum Coke .....	1.7	5.9	5.9	1.8	0.8	5.3	3.7	6.2	5.2
Asphalt and Road Oil .....	1.4	0.0	0.7	15.3	2.3	0.9	6.8	1.4	2.3
Still Gas .....	3.4	4.8	3.7	3.6	2.3	4.3	3.4	5.0	4.2
Miscellaneous Products .....	0.7	0.7	0.5	0.0	1.0	0.6	0.8	0.6	0.5
Processing Gain(-) or Loss(+) <sup>4</sup> .....	-4.2	-7.5	-7.9	-1.1	-0.9	-7.0	-4.3	-7.7	-6.7

— = No Data Reported.

<sup>1</sup> Based on net production of finished motor gasoline minus input of natural gas plant liquids, fuel ethanol, oxygenates, and net input of motor gasoline blending components.

<sup>2</sup> Based on finished aviation gasoline net production minus net input of aviation gasoline blending components.

<sup>3</sup> Based on distillate fuel oil net production minus input of biodiesel, "other" renewable diesel fuels, and "other" renewable fuels.

<sup>4</sup> Represents the arithmetic difference between input and production.

Note: Percent yield is calculated as net production (or adjusted net production) divided by input of crude oil, hydrogen, "other" hydrocarbons, and net input of unfinished oils.

Note: Totals may not equal sum of components due to independent rounding.

Note: Refer to Appendix A for Refining District descriptions.

Source: Calculated from data on Tables 30 and 31.

**Table 36. Imports of Residual Fuel Oil by Sulfur Content and by PAD District and State of Entry, September 2020**  
(Thousand Barrels)

PAD District and State of Entry	Residual Fuel Oil			
	Less than 0.31 % sulfur	0.31 to 1.00 % sulfur	Greater than 1.00 % sulfur	Total
<b>PAD District 1</b> .....	—	215	574	789
Connecticut .....	—	—	—	—
Delaware .....	—	—	—	—
Florida .....	—	215	—	215
Georgia .....	—	—	—	—
Maine .....	—	—	—	—
Maryland .....	—	—	—	—
Massachusetts .....	—	—	—	—
New Hampshire .....	—	—	—	—
New Jersey .....	—	—	374	374
New York .....	—	—	200	200
North Carolina .....	—	—	—	—
Pennsylvania .....	—	—	—	—
Rhode Island .....	—	—	—	—
South Carolina .....	—	—	—	—
Vermont .....	—	—	—	—
Virginia .....	—	—	—	—
West Virginia .....	—	—	—	—
<b>PAD District 2</b> .....	—	8	46	54
Illinois .....	—	—	—	—
Indiana .....	—	—	—	—
Michigan .....	—	3	28	31
Minnesota .....	—	4	9	13
North Dakota .....	—	1	—	1
Ohio .....	—	—	—	—
Wisconsin .....	—	—	—	—
<b>PAD District 3</b> .....	181	670	4,178	5,029
Alabama .....	—	—	—	—
Louisiana .....	—	670	1,694	2,364
Mississippi .....	—	—	—	—
New Mexico .....	—	—	—	—
Texas .....	181	—	2,484	2,665
<b>PAD District 4</b> .....	—	—	—	—
Idaho .....	—	—	—	—
Montana .....	—	—	—	—
<b>PAD District 5</b> .....	—	74	238	312
Alaska .....	—	—	—	—
California .....	—	35	238	273
Hawaii .....	—	—	—	—
Oregon .....	—	—	—	—
Washington .....	—	39	—	39
<b>U.S. Total</b> .....	181	967	5,036	6,184

— = No Data Reported.

Source: Energy Information Administration (EIA) Form EIA-814, "Monthly Imports Report."

**Table 37. Imports of Crude Oil and Petroleum Products by PAD District, September 2020**  
(Thousand Barrels, Except Where Noted)

Commodity	PAD Districts					U.S. Total	
	1	2	3	4	5	Total	Daily Average
<b>Crude Oil<sup>1,2</sup></b>	<b>11,956</b>	<b>69,569</b>	<b>42,563</b>	<b>8,967</b>	<b>28,871</b>	<b>161,926</b>	<b>5,398</b>
<b>Hydrocarbon Gas Liquids</b>	<b>720</b>	<b>2,704</b>	<b>—</b>	<b>342</b>	<b>1,392</b>	<b>5,158</b>	<b>172</b>
Natural Gas Liquids	451	2,515	—	342	1,392	4,700	157
Ethane	—	—	—	—	—	—	—
Propane	369	2,186	—	302	855	3,712	124
Normal Butane	32	197	—	38	502	769	26
Isobutane	50	129	—	2	35	216	7
Natural Gasoline	—	3	—	—	—	3	0
Refinery Olefins	269	189	—	—	—	458	15
Ethylene	—	—	—	—	—	—	—
Propylene	269	126	—	—	—	395	13
Normal Butylene	—	63	—	—	—	63	2
Isobutylene	—	—	—	—	—	—	—
<b>Other Liquids</b>	<b>17,912</b>	<b>109</b>	<b>13,819</b>	<b>185</b>	<b>2,835</b>	<b>34,860</b>	<b>1,162</b>
Hydrogen/Oxygenates/Renewables/Other Hydrocarbons	71	104	22	43	1,094	1,334	44
Hydrogen	—	—	—	—	—	—	—
Oxygenates (excluding Fuel Ethanol)	—	—	—	—	—	—	—
Methyl Tertiary Butyl Ether (MTBE)	—	—	—	—	—	—	—
Other Oxygenates <sup>3</sup>	—	—	—	—	—	—	—
Renewable Fuels (including Fuel Ethanol)	71	104	3	43	1,094	1,315	44
Fuel Ethanol	—	—	—	—	438	438	15
Biodiesel	71	104	3	43	139	360	12
Other Renewable Diesel Fuel	—	—	—	—	517	517	17
Other Renewable Fuels	—	—	—	—	—	—	—
Other Hydrocarbons	—	—	19	—	—	19	1
Unfinished Oils <sup>1</sup>	3,160	—	12,383	—	1,162	16,705	557
Naphthas and Lighter	680	—	—	—	—	680	23
Kerosene and Lighter Gas Oils	—	—	44	—	—	44	1
Heavy Gas Oils	2,480	—	2,357	—	815	5,652	188
Residuum	—	—	9,982	—	347	10,329	344
Motor Gasoline Blend Comp. (MGBC)	14,681	5	1,414	142	579	16,821	561
Reformulated - RBOB	5,775	—	—	—	—	5,775	193
Conventional	8,906	5	1,414	142	579	11,046	368
CBOB	867	—	—	—	—	867	29
GTAB	2,798	—	—	—	230	3,028	101
Other	5,241	5	1,414	142	349	7,151	238
Aviation Gasoline Blend. Comp.	—	—	—	—	—	—	—
<b>Finished Petroleum Products</b>	<b>11,316</b>	<b>1,002</b>	<b>7,286</b>	<b>239</b>	<b>4,515</b>	<b>24,358</b>	<b>812</b>
Finished Motor Gasoline	3,317	—	—	—	1,229	4,546	152
Reformulated	—	—	—	—	—	—	—
Reformulated Blended with Fuel Ethanol	—	—	—	—	—	—	—
Reformulated Other	—	—	—	—	—	—	—
Conventional	3,317	—	—	—	1,229	4,546	152
Conventional Blended with Fuel Ethanol	—	—	—	—	—	—	—
Ed55 and Lower	—	—	—	—	—	—	—
Greater than Ed55	—	—	—	—	—	—	—
Conventional Other	3,317	—	—	—	1,229	4,546	152
Finished Aviation Gasoline	1	3	31	2	2	39	1
Kerosene-Type Jet Fuel	1,788	—	873	—	2,399	5,060	169
Bonded Aircraft Fuel	99	—	—	—	40	139	5
Other	1,689	—	873	—	2,359	4,921	164
Kerosene	—	—	—	—	—	—	—
Distillate Fuel Oil	4,610	108	—	217	459	5,394	180
15 ppm sulfur and under	4,576	106	—	217	459	5,358	179
Bonded	—	—	—	—	—	—	—
Other	4,576	106	—	217	459	5,358	179
Greater than 15 ppm to 500 ppm sulfur	34	—	—	—	—	34	1
Bonded	—	—	—	—	—	—	—
Other	34	—	—	—	—	34	1
Greater than 500 ppm to 2000 ppm sulfur	—	2	—	—	—	2	0
Bonded	—	—	—	—	—	—	—
Other	—	2	—	—	—	2	0
Greater than 2000 ppm	—	—	—	—	—	—	—
Bonded	—	—	—	—	—	—	—
Other	—	—	—	—	—	—	—
Residual Fuel Oil	789	54	5,029	—	312	6,184	206
Less than 0.31 percent sulfur	—	—	181	—	—	181	6
0.31 to 1.00 percent sulfur	215	8	670	—	74	967	32
Greater than 1.00 percent sulfur	574	46	4,178	—	238	5,036	168
Petrochemical Feedstocks	—	118	199	—	43	360	12
Naphtha for Petro. Feed. Use	—	70	179	—	43	292	10
Other Oils for Petro. Feed. Use	—	48	20	—	—	68	2
Special Naphthas	—	1	154	—	—	155	5
Lubricants	103	160	720	—	3	986	33
Waxes	63	14	15	—	38	130	4
Petroleum Coke (Marketable)	4	20	241	—	—	265	9
Asphalt and Road Oil	641	524	24	19	30	1,238	41
Miscellaneous Products	—	—	—	1	—	1	0
<b>Total</b>	<b>41,904</b>	<b>73,384</b>	<b>63,668</b>	<b>9,733</b>	<b>37,613</b>	<b>226,302</b>	<b>7,543</b>

— = Not Applicable.

— = No Data Reported.

<sup>1</sup> Crude oil and unfinished oils are reported by the PAD District in which they are to be processed; all other products are reported by the PAD District of entry.

<sup>2</sup> Includes crude oil imported for storage in the Strategic Petroleum Reserve.

<sup>3</sup> Includes ethyl tertiary butyl ether (ETBE), tertiary amyl methyl ether (TAME), tertiary butyl alcohol (TBA), and other aliphatic alcohols and ethers intended for motor gasoline blending (e.g., isopropyl ether (IPE) or n-propanol).

Note: Totals may not equal sum of components due to independent rounding.

Source: Energy Information Administration (EIA) Form EIA-814, "Monthly Imports Report."



**Table 38. Year-to-Date Imports of Crude Oil and Petroleum Products by PAD District, January-September 2020**  
(Thousand Barrels)

Commodity	PAD Districts					U.S. Total	
	1	2	3	4	5	Total	Daily Average
<b>Crude Oil<sup>1,2</sup></b>	<b>121,537</b>	<b>660,284</b>	<b>511,677</b>	<b>84,050</b>	<b>264,973</b>	<b>1,642,521</b>	<b>5,995</b>
<b>Hydrocarbon Gas Liquids</b>	<b>9,732</b>	<b>15,999</b>	<b>166</b>	<b>3,020</b>	<b>11,360</b>	<b>40,277</b>	<b>147</b>
Natural Gas Liquids	7,620	14,173	35	3,020	11,299	36,147	132
Ethane	—	—	—	—	—	—	—
Propane	7,057	10,804	35	2,583	7,504	27,983	102
Normal Butane	188	1,903	—	358	3,645	6,094	22
Isobutane	375	1,412	—	79	150	2,016	7
Natural Gasoline	—	54	—	—	—	54	0
Refinery Olefins	2,112	1,826	131	—	61	4,130	15
Ethylene	—	—	—	—	—	—	—
Propylene	2,112	1,389	—	—	—	3,501	13
Normal Butylene	—	437	131	—	61	629	2
Isobutylene	—	—	—	—	—	—	—
<b>Other Liquids</b>	<b>130,001</b>	<b>3,175</b>	<b>135,845</b>	<b>1,078</b>	<b>24,928</b>	<b>295,027</b>	<b>1,077</b>
Hydrogen/Oxygenates/Renewables/Other Hydrocarbons	1,457	911	346	343	7,208	10,265	37
Hydrogen	—	—	—	—	—	—	—
Oxygenates (excluding Fuel Ethanol)	—	—	—	—	—	—	—
Methyl Tertiary Butyl Ether (MTBE)	—	—	—	—	—	—	—
Other Oxygenates <sup>3</sup>	—	—	—	—	—	—	—
Renewable Fuels (including Fuel Ethanol)	1,457	911	273	343	7,208	10,192	37
Fuel Ethanol	—	—	—	—	2,227	2,227	8
Biodiesel	1,457	911	273	343	459	3,443	13
Other Renewable Diesel Fuel	—	—	—	—	4,522	4,522	17
Other Renewable Fuels	—	—	—	—	—	—	—
Other Hydrocarbons	—	—	73	—	—	73	0
Unfinished Oils <sup>1</sup>	19,161	168	123,439	—	11,747	154,515	564
Naphthas and Lighter	3,755	—	2,147	—	172	6,074	22
Kerosene and Lighter Gas Oils	—	75	212	—	—	287	1
Heavy Gas Oils	15,403	93	37,109	—	9,375	61,980	226
Residuum	3	—	83,971	—	2,200	86,174	315
Motor Gasoline Blend Comp. (MGBC)	109,383	2,096	12,060	735	5,973	130,247	475
Reformulated - RBOB	43,959	—	—	—	1,120	45,079	165
Conventional	65,424	2,096	12,060	735	4,853	85,168	311
CBOB	6,947	248	135	14	646	7,990	29
GTAB	15,986	—	933	—	230	17,149	63
Other	42,491	1,848	10,992	721	3,977	60,029	219
Aviation Gasoline Blend. Comp.	—	—	—	—	—	—	—
<b>Finished Petroleum Products</b>	<b>100,408</b>	<b>9,391</b>	<b>48,745</b>	<b>1,810</b>	<b>40,987</b>	<b>201,341</b>	<b>735</b>
Finished Motor Gasoline	25,650	37	189	26	5,096	30,998	113
Reformulated	—	—	—	—	—	—	—
Reformulated Blended with Fuel Ethanol	—	—	—	—	—	—	—
Reformulated Other	—	—	—	—	—	—	—
Conventional	25,650	37	189	26	5,096	30,998	113
Conventional Blended with Fuel Ethanol	—	—	—	—	—	—	—
Ed55 and Lower	—	—	—	—	—	—	—
Greater than Ed55	—	—	—	—	—	—	—
Conventional Other	25,650	37	189	26	5,096	30,998	113
Finished Aviation Gasoline	37	32	127	2	12	210	1
Kerosene-Type Jet Fuel	12,361	—	2,511	164	26,592	41,628	152
Bonded Aircraft Fuel	1,747	—	—	—	6,565	8,312	30
Other	10,614	—	2,511	164	20,027	33,316	122
Kerosene	—	—	—	—	40	40	0
Distillate Fuel Oil	39,095	1,859	38	1,354	4,671	47,017	172
15 ppm sulfur and under	37,726	1,766	38	1,354	4,664	45,548	166
Bonded	288	90	—	—	—	378	1
Other	37,438	1,676	38	1,354	4,664	45,170	165
Greater than 15 ppm to 500 ppm sulfur	1,106	—	—	—	—	1,106	4
Bonded	—	—	—	—	—	—	—
Other	1,106	—	—	—	—	1,106	4
Greater than 500 ppm to 2000 ppm sulfur	263	93	—	—	7	363	1
Bonded	—	—	—	—	—	—	—
Other	263	93	—	—	7	363	1
Greater than 2000 ppm	—	—	—	—	—	—	—
Bonded	—	—	—	—	—	—	—
Other	—	—	—	—	—	—	—
Residual Fuel Oil	12,786	800	29,741	—	3,145	46,472	170
Less than 0.31 percent sulfur	1,105	—	574	—	—	1,679	6
0.31 to 1.00 percent sulfur	5,814	379	2,984	—	730	9,907	36
Greater than 1.00 percent sulfur	5,867	421	26,183	—	2,415	34,886	127
Petrochemical Feedstocks	877	1,371	2,988	—	242	5,478	20
Naphtha for Petro. Feed. Use	870	748	2,707	—	242	4,567	17
Other Oils for Petro. Feed. Use	7	623	281	—	—	911	3
Special Naphthas	11	57	3,532	—	—	3,600	13
Lubricants	1,135	1,114	6,865	—	167	9,281	34
Waxes	639	117	273	—	248	1,277	5
Petroleum Coke (Marketable)	22	215	2,359	—	119	2,715	10
Asphalt and Road Oil	7,795	3,789	122	255	655	12,616	46
Miscellaneous Products	—	—	—	9	—	9	0
<b>Total</b>	<b>361,678</b>	<b>688,849</b>	<b>696,433</b>	<b>89,958</b>	<b>342,248</b>	<b>2,179,166</b>	<b>7,953</b>

— = Not Applicable.

— = No Data Reported.

<sup>1</sup> Crude oil and unfinished oils are reported by the PAD District in which they are to be processed; all other products are reported by the PAD District of entry.

<sup>2</sup> Includes crude oil imported for storage in the Strategic Petroleum Reserve.

<sup>3</sup> Includes ethyl tertiary butyl ether (ETBE), tertiary amyl methyl ether (TAME), tertiary butyl alcohol (TBA), and other aliphatic alcohols and ethers intended for motor gasoline blending (e.g., isopropyl ether (IPE) or n-propanol).

Note: Totals may not equal sum of components due to independent rounding.

Source: Energy Information Administration (EIA) Form EIA-814, "Monthly Imports Report."

**Table 39. Imports of Crude Oil and Petroleum Products into the United States by Country of Origin, September 2020**  
(Thousand Barrels)

Country of Origin	Crude Oil <sup>1,2</sup>	Natural Gas Liquids	Refinery Olefins	Unfinished Oils <sup>1</sup>	Finished Motor Gasoline			Motor Gasoline Blending Components		
					Reformulated	Conventional	Total	Reformulated	Conventional	Total
<b>OPEC</b>	<b>17,464</b>	<b>26</b>	<b>—</b>	<b>409</b>	<b>—</b>	<b>321</b>	<b>321</b>	<b>—</b>	<b>309</b>	<b>309</b>
Algeria	—	—	—	102	—	—	—	—	—	—
Angola	951	—	—	—	—	—	—	—	—	—
Congo (Brazzaville)	948	—	—	—	—	—	—	—	—	—
Equatorial Guinea	—	26	—	—	—	—	—	—	—	—
Gabon	—	—	—	—	—	—	—	—	—	—
Iran	—	—	—	—	—	—	—	—	—	—
Iraq	2,500	—	—	—	—	—	—	—	—	—
Kuwait	549	—	—	—	—	—	—	—	—	—
Libya	—	—	—	1	—	—	—	—	—	—
Nigeria	2,098	—	—	306	—	—	—	—	—	—
Saudi Arabia	10,418	—	—	—	—	321	321	—	—	—
United Arab Emirates	—	—	—	—	—	—	—	—	309	309
Venezuela	—	—	—	—	—	—	—	—	—	—
<b>Non-OPEC</b>	<b>144,462</b>	<b>4,674</b>	<b>458</b>	<b>16,296</b>	<b>—</b>	<b>4,225</b>	<b>4,225</b>	<b>5,775</b>	<b>10,737</b>	<b>16,512</b>
Argentina	1,667	—	—	11	—	39	39	—	107	107
Aruba	—	—	—	—	—	—	—	—	—	—
Australia	—	—	—	—	—	—	—	—	—	—
Bahamas	—	—	—	—	—	—	—	—	—	—
Bahrain	—	—	—	—	—	—	—	—	—	—
Belgium	—	—	—	—	—	95	95	—	316	316
Brazil	1,031	—	—	—	—	311	311	—	651	651
Brunei	—	—	—	—	—	—	—	—	—	—
Cameroon	629	—	—	—	—	—	—	—	—	—
Canada	103,209	4,674	458	182	—	513	513	2,981	699	3,680
Chad	—	—	—	—	—	—	—	—	—	—
China	—	—	—	—	—	—	—	—	—	—
Colombia	9,191	—	—	—	—	—	—	—	—	—
Denmark	—	—	—	—	—	—	—	—	—	—
Ecuador	5,909	—	—	908	—	—	—	—	—	—
Egypt	—	—	—	—	—	—	—	—	—	—
Estonia	—	—	—	—	—	—	—	—	—	—
Finland	—	—	—	21	—	—	—	—	1,114	1,114
France	—	—	—	—	—	199	199	382	—	382
Germany	—	—	—	172	—	—	—	—	—	—
Guatemala	169	—	—	—	—	—	—	—	—	—
India	—	—	—	—	—	—	—	—	1,740	1,740
Indonesia	—	—	—	—	—	—	—	—	—	—
Italy	—	—	—	502	—	8	8	—	387	387
Korea, South	—	—	—	—	—	262	262	273	—	273
Latvia	—	—	—	—	—	—	—	—	—	—
Lithuania	—	—	—	—	—	383	383	—	—	—
Malaysia	—	—	—	506	—	—	—	—	—	—
Mexico	17,149	—	—	2,106	—	—	—	—	—	—
Netherlands	—	—	—	—	—	594	594	974	1,535	2,509
Norway	—	—	—	147	—	54	54	140	106	246
Oman	—	—	—	—	—	—	—	—	—	—
Portugal	—	—	—	—	—	564	564	—	—	—
Qatar	—	—	—	—	—	—	—	—	—	—
Russia	2,572	—	—	10,931	—	23	23	—	942	942
Spain	—	—	—	224	—	906	906	—	1,022	1,022
Sweden	—	—	—	417	—	12	12	—	311	311
Syria	—	—	—	—	—	—	—	—	—	—
Trinidad and Tobago	1,516	—	—	—	—	—	—	—	—	—
United Kingdom	401	—	—	141	—	211	211	1,025	858	1,883
Vietnam	—	—	—	—	—	—	—	—	—	—
Virgin Islands, U.S.	—	—	—	—	—	—	—	—	—	—
Yemen	—	—	—	—	—	—	—	—	—	—
Other	1,019	0	0	28	—	51	51	0	949	949
<b>Total</b>	<b>161,926</b>	<b>4,700</b>	<b>458</b>	<b>16,705</b>	<b>—</b>	<b>4,546</b>	<b>4,546</b>	<b>5,775</b>	<b>11,046</b>	<b>16,821</b>
<b>Persian Gulf<sup>3</sup></b>	<b>13,467</b>	<b>—</b>	<b>—</b>	<b>—</b>	<b>—</b>	<b>321</b>	<b>321</b>	<b>—</b>	<b>309</b>	<b>309</b>

See footnotes at end of table.

**Table 39. Imports of Crude Oil and Petroleum Products into the United States by Country of Origin, September 2020**  
(Thousand Barrels) — Continued

Country of Origin	Oxygenates		Renewable Fuels				Distillate Fuel Oil				Total
	Methyl Tertiary Butyl Ether (MTBE)	Other Oxygenates	Fuel Ethanol	Biomass-Based Diesel	Other Renewable Diesel	Other Renewable Fuels	15 ppm sulfur and under	Greater than 15 ppm to 500 ppm sulfur	501 to 2000 ppm	Greater than 2000 ppm	
<b>OPEC</b> .....	--	--	-	-	-	-	483	-	-	-	483
Algeria .....	--	--	-	-	-	-	-	-	-	-	-
Angola .....	--	--	-	-	-	-	-	-	-	-	-
Congo (Brazzaville) .....	--	--	-	-	-	-	-	-	-	-	-
Equatorial Guinea .....	--	--	-	-	-	-	-	-	-	-	-
Gabon .....	--	--	-	-	-	-	-	-	-	-	-
Iran .....	--	--	-	-	-	-	-	-	-	-	-
Iraq .....	--	--	-	-	-	-	-	-	-	-	-
Kuwait .....	--	--	-	-	-	-	-	-	-	-	-
Libya .....	--	--	-	-	-	-	-	-	-	-	-
Nigeria .....	--	--	-	-	-	-	325	-	-	-	325
Saudi Arabia .....	--	--	-	-	-	-	158	-	-	-	158
United Arab Emirates .....	--	--	-	-	-	-	-	-	-	-	-
Venezuela .....	--	--	-	-	-	-	-	-	-	-	-
<b>Non-OPEC</b> .....	--	--	438	360	517	-	4,875	34	2	-	4,911
Argentina .....	--	--	-	-	-	-	-	-	-	-	-
Aruba .....	--	--	-	-	-	-	-	-	-	-	-
Australia .....	--	--	-	-	-	-	-	-	-	-	-
Bahamas .....	--	--	-	-	-	-	142	-	-	-	142
Bahrain .....	--	--	-	-	-	-	-	-	-	-	-
Belgium .....	--	--	-	-	-	-	-	-	-	-	-
Brazil .....	--	--	438	-	-	-	-	-	-	-	-
Brunei .....	--	--	-	-	-	-	-	-	-	-	-
Cameroon .....	--	--	-	-	-	-	-	-	-	-	-
Canada .....	--	--	-	223	-	-	3,180	34	2	-	3,216
Chad .....	--	--	-	-	-	-	-	-	-	-	-
China .....	--	--	-	-	-	-	-	-	-	-	-
Colombia .....	--	--	-	-	-	-	1,179	-	-	-	1,179
Denmark .....	--	--	-	-	-	-	-	-	-	-	-
Ecuador .....	--	--	-	-	-	-	-	-	-	-	-
Egypt .....	--	--	-	-	-	-	-	-	-	-	-
Estonia .....	--	--	-	-	-	-	-	-	-	-	-
Finland .....	--	--	-	-	-	-	-	-	-	-	-
France .....	--	--	-	-	-	-	-	-	-	-	-
Germany .....	--	--	-	-	-	-	-	-	-	-	-
Guatemala .....	--	--	-	-	-	-	-	-	-	-	-
India .....	--	--	-	-	-	-	-	-	-	-	-
Indonesia .....	--	--	-	-	-	-	83	-	-	-	83
Italy .....	--	--	-	-	-	-	-	-	-	-	-
Korea, South .....	--	--	-	134	-	-	107	-	-	-	107
Latvia .....	--	--	-	-	-	-	-	-	-	-	-
Lithuania .....	--	--	-	-	-	-	-	-	-	-	-
Malaysia .....	--	--	-	-	-	-	109	-	-	-	109
Mexico .....	--	--	-	-	-	-	-	-	-	-	-
Netherlands .....	--	--	-	-	-	-	-	-	-	-	-
Norway .....	--	--	-	-	-	-	-	-	-	-	-
Oman .....	--	--	-	-	-	-	-	-	-	-	-
Portugal .....	--	--	-	-	-	-	-	-	-	-	-
Qatar .....	--	--	-	-	-	-	75	-	-	-	75
Russia .....	--	--	-	-	-	-	-	-	-	-	-
Spain .....	--	--	-	-	-	-	-	-	-	-	-
Sweden .....	--	--	-	-	-	-	-	-	-	-	-
Syria .....	--	--	-	-	-	-	-	-	-	-	-
Trinidad and Tobago .....	--	--	-	-	-	-	-	-	-	-	-
United Kingdom .....	--	--	-	-	-	-	-	-	-	-	-
Vietnam .....	--	--	-	-	-	-	-	-	-	-	-
Virgin Islands, U.S. ....	--	--	-	-	-	-	-	-	-	-	-
Yemen .....	--	--	-	-	-	-	-	-	-	-	-
Other .....	--	--	0	3	517	-	0	0	0	-	0
<b>Total</b> .....	--	--	438	360	517	-	5,358	34	2	-	5,394
<b>Persian Gulf<sup>3</sup></b> .....	--	--	-	-	-	-	233	-	-	-	233

See footnotes at end of table.

**Table 39. Imports of Crude Oil and Petroleum Products into the United States by Country of Origin, September 2020**  
(Thousand Barrels) — Continued

Country of Origin	Kerosene	Finished Aviation Gasoline	Aviation Gasoline Blending Components	Kerosene-Type Jet Fuel	Special Naphthas	Residual Fuel Oil			
						Less than 0.31 % sulfur	0.31 to 1.00 % sulfur	Greater than 1.00 % sulfur	Total
<b>OPEC</b>	—	—	—	806	45	—	—	17	17
Algeria	—	—	—	295	—	—	—	15	15
Angola	—	—	—	—	—	—	—	—	—
Congo (Brazzaville)	—	—	—	—	—	—	—	—	—
Equatorial Guinea	—	—	—	—	—	—	—	—	—
Gabon	—	—	—	—	—	—	—	—	—
Iran	—	—	—	—	—	—	—	—	—
Iraq	—	—	—	—	—	—	—	—	—
Kuwait	—	—	—	511	—	—	—	—	—
Libya	—	—	—	—	—	—	—	—	—
Nigeria	—	—	—	—	—	—	—	—	—
Saudi Arabia	—	—	—	—	45	—	—	2	2
United Arab Emirates	—	—	—	—	—	—	—	—	—
Venezuela	—	—	—	—	—	—	—	—	—
<b>Non-OPEC</b>	—	39	—	4,254	110	181	967	5,019	6,167
Argentina	—	—	—	125	—	—	—	—	—
Aruba	—	—	—	—	—	—	—	—	—
Australia	—	—	—	—	—	—	—	—	—
Bahamas	—	—	—	—	—	—	—	50	50
Bahrain	—	—	—	—	—	—	—	—	—
Belgium	—	—	—	—	—	—	—	—	—
Brazil	—	—	—	—	42	—	—	279	279
Brunei	—	—	—	—	—	—	—	—	—
Cameroon	—	—	—	—	—	—	—	—	—
Canada	—	8	—	140	68	—	82	324	406
Chad	—	—	—	—	—	—	—	—	—
China	—	—	—	—	—	—	—	—	—
Colombia	—	—	—	99	—	—	—	—	—
Denmark	—	—	—	—	—	—	—	—	—
Ecuador	—	—	—	—	—	—	—	—	—
Egypt	—	—	—	—	—	—	—	1,096	1,096
Estonia	—	—	—	—	—	—	—	—	—
Finland	—	—	—	—	—	—	—	—	—
France	—	—	—	—	—	—	—	—	—
Germany	—	—	—	—	—	—	—	—	—
Guatemala	—	—	—	—	—	—	—	—	—
India	—	—	—	465	—	—	—	—	—
Indonesia	—	—	—	—	—	—	—	—	—
Italy	—	—	—	265	—	—	—	48	48
Korea, South	—	—	—	2,785	—	—	—	—	—
Latvia	—	—	—	—	—	—	—	—	—
Lithuania	—	—	—	—	—	—	—	30	30
Malaysia	—	—	—	—	—	—	—	—	—
Mexico	—	—	—	—	—	181	215	1,651	2,047
Netherlands	—	31	—	—	—	—	—	546	546
Norway	—	—	—	—	—	—	—	—	—
Oman	—	—	—	—	—	—	—	—	—
Portugal	—	—	—	—	—	—	—	—	—
Qatar	—	—	—	—	—	—	—	—	—
Russia	—	—	—	80	—	—	670	593	1,263
Spain	—	—	—	—	—	—	—	118	118
Sweden	—	—	—	—	—	—	—	—	—
Syria	—	—	—	—	—	—	—	—	—
Trinidad and Tobago	—	—	—	—	—	—	—	—	—
United Kingdom	—	—	—	—	—	—	—	94	94
Vietnam	—	—	—	—	—	—	—	—	—
Virgin Islands, U.S.	—	—	—	—	—	—	—	—	—
Yemen	—	—	—	—	—	—	—	—	—
Other	—	0	—	295	0	0	0	190	190
<b>Total</b>	—	39	—	5,060	155	181	967	5,036	6,184
<b>Persian Gulf<sup>6</sup></b>	—	—	—	511	45	—	—	2	2

See footnotes at end of table.

**Table 39. Imports of Crude Oil and Petroleum Products into the United States by Country of Origin, September 2020**  
(Thousand Barrels) — Continued

Country of Origin	Petrochemical Feedstocks		Waxes	Petroleum Coke	Asphalt and Road Oil	Lubricants	Miscellaneous Products	Total Products	Total Crude Oil and Products	Daily Average		
	Naphtha	Other Oils								Crude Oil	Products	Total
<b>OPEC</b>	—	—	—	—	—	137	—	2,553	20,017	582	85	667
Algeria	—	—	—	—	—	—	—	412	412	—	14	14
Angola	—	—	—	—	—	—	—	—	951	32	—	32
Congo (Brazzaville)	—	—	—	—	—	—	—	—	948	32	—	32
Equatorial Guinea	—	—	—	—	—	—	—	26	26	—	1	1
Gabon	—	—	—	—	—	—	—	—	—	—	—	—
Iran	—	—	—	—	—	—	—	—	—	—	—	—
Iraq	—	—	—	—	—	—	—	—	2,500	83	—	83
Kuwait	—	—	—	—	—	—	—	511	1,060	18	17	35
Libya	—	—	—	—	—	—	—	1	1	—	0	0
Nigeria	—	—	—	—	—	—	—	631	2,729	70	21	91
Saudi Arabia	—	—	—	—	—	36	—	562	10,980	347	19	366
United Arab Emirates	—	—	—	—	—	101	—	410	410	—	14	14
Venezuela	—	—	—	—	—	—	—	—	—	—	—	—
<b>Non-OPEC</b>	292	68	130	265	1,238	849	1	61,823	206,285	4,815	2,061	6,876
Argentina	—	20	—	241	—	—	—	543	2,210	56	18	74
Aruba	—	—	—	—	—	—	—	—	—	—	—	—
Australia	—	—	—	—	—	—	—	—	—	—	—	—
Bahamas	—	—	—	—	—	—	—	192	192	—	6	6
Bahrain	—	—	—	—	—	—	—	—	—	—	—	—
Belgium	—	—	—	—	—	8	—	419	419	—	14	14
Brazil	—	—	—	—	—	—	—	1,721	2,752	34	57	92
Brunei	—	—	—	—	—	—	—	—	—	—	—	—
Cameroon	—	—	—	—	—	—	—	—	629	21	—	21
Canada	70	48	75	20	1,126	224	1	15,132	118,341	3,440	504	3,945
Chad	—	—	—	—	—	—	—	—	—	—	—	—
China	—	—	30	—	—	—	—	30	30	—	1	1
Colombia	—	—	—	—	69	—	—	1,347	10,538	306	45	351
Denmark	—	—	—	—	—	—	—	—	—	—	—	—
Ecuador	—	—	—	—	—	—	—	908	6,817	197	30	227
Egypt	—	—	—	—	—	—	—	1,096	1,096	—	37	37
Estonia	—	—	—	—	—	—	—	—	—	—	—	—
Finland	—	—	—	—	—	—	—	1,135	1,135	—	38	38
France	—	—	—	—	—	11	—	592	592	—	20	20
Germany	—	—	—	—	—	11	—	183	183	—	6	6
Guatemala	—	—	—	—	—	—	—	—	169	6	—	6
India	—	—	—	—	—	—	—	2,205	2,205	—	74	74
Indonesia	—	—	—	—	—	91	—	174	174	—	6	6
Italy	—	—	—	—	—	6	—	1,216	1,216	—	41	41
Korea, South	41	—	1	—	—	140	—	3,743	3,743	—	125	125
Latvia	—	—	—	—	—	—	—	—	—	—	—	—
Lithuania	—	—	—	—	—	—	—	413	413	—	14	14
Malaysia	—	—	15	—	—	—	—	630	630	—	21	21
Mexico	138	—	—	—	—	—	—	4,291	21,440	572	143	715
Netherlands	—	—	—	—	—	40	—	3,739	3,739	—	125	125
Norway	—	—	—	—	—	—	—	447	447	—	15	15
Oman	—	—	—	—	—	—	—	—	—	—	—	—
Portugal	—	—	—	—	—	—	—	564	564	—	19	19
Qatar	—	—	—	—	—	318	—	393	393	—	13	13
Russia	—	—	—	—	—	—	—	13,239	15,811	86	441	527
Spain	—	—	—	—	43	—	—	2,313	2,313	—	77	77
Sweden	—	—	—	4	—	—	—	744	744	—	25	25
Syria	—	—	—	—	—	—	—	—	—	—	—	—
Trinidad and Tobago	—	—	—	—	—	—	—	—	1,516	51	—	51
United Kingdom	—	—	—	—	—	—	—	2,329	2,730	13	78	91
Vietnam	—	—	—	—	—	—	—	—	—	—	—	—
Virgin Islands, U.S.	—	—	—	—	—	—	—	—	—	—	—	—
Yemen	—	—	—	—	—	—	—	—	—	—	—	—
Other	43	0	9	0	0	0	0	2,085	3,104	33	68	99
<b>Total</b>	292	68	130	265	1,238	986	1	64,376	226,302	5,398	2,146	7,543
<b>Persian Gulf<sup>3</sup></b>	—	—	—	—	—	455	—	1,876	15,343	449	63	511

— = Not Applicable.

— = No Data Reported.

<sup>1</sup> Crude oil and unfinished oils are reported by PAD District of processing; all other products are reported by PAD District of Entry.

<sup>2</sup> Includes crude oil imported for storage in the Strategic Petroleum Reserve.

<sup>3</sup> Includes Bahrain, Iran, Iraq, Kuwait, Qatar, Saudi Arabia, and United Arab Emirates.

Note: Totals may not equal sum of components due to independent rounding.

Source: Energy Information Administration (EIA) Form EIA-814, "Monthly Imports Report."

**Table 40. Year-to-Date Imports of Crude Oil and Petroleum Products into the United States by Country of Origin, January-September 2020**  
(Thousand Barrels)

Country of Origin	Crude Oil <sup>1,2</sup>	Natural Gas Liquids	Refinery Olefins	Unfinished Oils <sup>1</sup>	Finished Motor Gasoline			Motor Gasoline Blending Components		
					Reform-ulated	Conven-tional	Total	Reform-ulated	Conven-tional	Total
<b>OPEC</b> .....	<b>253,472</b>	<b>1,020</b>	<b>-</b>	<b>3,915</b>	<b>-</b>	<b>920</b>	<b>920</b>	<b>324</b>	<b>4,344</b>	<b>4,668</b>
Algeria .....	-	-	-	911	-	-	-	-	1,524	1,524
Angola .....	6,629	-	-	-	-	-	-	-	633	633
Congo (Brazzaville) .....	948	-	-	-	-	-	-	-	-	-
Equatorial Guinea .....	-	815	-	-	-	-	-	-	-	-
Gabon .....	-	-	-	-	-	-	-	-	-	-
Iran .....	-	-	-	-	-	-	-	-	-	-
Iraq .....	55,079	-	-	-	-	-	-	-	-	-
Kuwait .....	6,052	-	-	717	-	-	-	-	-	-
Libya .....	3,115	-	-	3	-	-	-	-	-	-
Nigeria .....	18,569	-	-	615	-	-	-	-	579	579
Saudi Arabia .....	162,082	-	-	1,207	-	920	920	324	1,021	1,345
United Arab Emirates .....	998	205	-	462	-	-	-	-	587	587
Venezuela .....	-	-	-	-	-	-	-	-	-	-
<b>Non-OPEC</b> .....	<b>1,389,049</b>	<b>35,127</b>	<b>4,130</b>	<b>150,600</b>	<b>-</b>	<b>30,078</b>	<b>30,078</b>	<b>44,755</b>	<b>80,824</b>	<b>125,579</b>
Argentina .....	11,210	-	-	98	-	128	128	-	274	274
Aruba .....	-	-	-	-	-	-	-	-	-	-
Australia .....	-	-	-	-	-	-	-	-	-	-
Bahamas .....	1,007	-	-	-	-	-	-	-	248	248
Bahrain .....	-	-	-	-	-	-	-	-	-	-
Belgium .....	-	-	-	3,221	-	1,261	1,261	1,630	2,162	3,792
Brazil .....	17,470	-	-	23	-	2,881	2,881	30	6,422	6,452
Brunei .....	4,445	-	-	-	-	-	-	-	-	-
Cameroon .....	5,771	-	-	-	-	-	-	-	-	-
Canada .....	980,030	33,897	3,999	1,277	-	4,487	4,487	26,004	9,790	35,794
Chad .....	-	-	-	-	-	-	-	-	-	-
China .....	-	-	-	-	-	-	-	-	-	-
Colombia .....	74,227	-	-	2,766	-	108	108	-	1,149	1,149
Denmark .....	-	-	-	56	-	38	38	18	25	43
Ecuador .....	46,237	-	-	3,508	-	-	-	-	-	-
Egypt .....	1,019	-	-	4,541	-	250	250	-	-	-
Estonia .....	-	-	-	-	-	-	-	-	-	-
Finland .....	-	-	-	156	-	14	14	63	3,196	3,259
France .....	-	-	-	-	-	3,048	3,048	1,418	35	1,453
Germany .....	-	-	-	639	-	67	67	73	563	636
Guatemala .....	1,113	-	-	-	-	-	-	-	-	-
India .....	-	-	-	413	-	333	333	60	17,685	17,745
Indonesia .....	-	-	-	-	-	-	-	-	-	-
Italy .....	346	-	-	2,445	-	105	105	278	4,080	4,358
Korea, South .....	-	-	-	-	-	1,579	1,579	591	2,413	3,004
Latvia .....	-	-	-	-	-	59	59	-	34	34
Lithuania .....	-	-	-	-	-	435	435	-	358	358
Malaysia .....	-	-	-	1,665	-	-	-	-	32	32
Mexico .....	188,730	-	131	9,887	-	-	-	506	839	1,345
Netherlands .....	-	-	-	1,356	-	3,690	3,690	6,183	7,220	13,403
Norway .....	2,625	794	-	600	-	375	375	151	2,282	2,433
Oman .....	-	-	-	-	-	-	-	-	-	-
Portugal .....	-	-	-	425	-	4,354	4,354	980	1,125	2,105
Qatar .....	-	-	-	-	-	-	-	-	-	-
Russia .....	20,028	-	-	107,930	-	1,620	1,620	507	6,580	7,087
Spain .....	-	-	-	1,111	-	2,392	2,392	217	4,435	4,652
Sweden .....	-	-	-	1,638	-	723	723	31	1,087	1,118
Syria .....	-	-	-	-	-	-	-	-	-	-
Trinidad and Tobago .....	10,718	167	-	-	-	-	-	-	-	-
United Kingdom .....	6,151	234	-	2,690	-	1,077	1,077	6,015	4,599	10,614
Vietnam .....	614	-	-	-	-	-	-	-	-	-
Virgin Islands, U.S. ....	-	-	-	-	-	-	-	-	-	-
Yemen .....	-	-	-	-	-	-	-	-	-	-
Other .....	17,308	35	0	4,155	-	1,054	1,054	0	4,191	4,191
<b>Total</b> .....	<b>1,642,521</b>	<b>36,147</b>	<b>4,130</b>	<b>154,515</b>	<b>-</b>	<b>30,998</b>	<b>30,998</b>	<b>45,079</b>	<b>85,168</b>	<b>130,247</b>
<b>Persian Gulf<sup>3</sup></b> .....	<b>224,211</b>	<b>205</b>	<b>-</b>	<b>2,386</b>	<b>-</b>	<b>920</b>	<b>920</b>	<b>324</b>	<b>1,608</b>	<b>1,932</b>

See footnotes at end of table.

**Table 40. Year-to-Date Imports of Crude Oil and Petroleum Products into the United States by Country of Origin, January-September 2020**  
(Thousand Barrels) — Continued

Country of Origin	Oxygenates		Renewable Fuels				Distillate Fuel Oil				
	Methyl Tertiary Butyl Ether (MTBE)	Other Oxygenates	Fuel Ethanol	Biomass-Based Diesel	Other Renewable Diesel	Other Renewable Fuels	15 ppm sulfur and under	Greater than 15 ppm to 500 ppm sulfur	501 to 2000 ppm	Greater than 2000 ppm	Total
<b>OPEC</b>	--	--	-	-	-	-	584	-	-	-	584
Algeria	--	--	-	-	-	-	-	-	-	-	-
Angola	--	--	-	-	-	-	-	-	-	-	-
Congo (Brazzaville)	--	--	-	-	-	-	-	-	-	-	-
Equatorial Guinea	--	--	-	-	-	-	-	-	-	-	-
Gabon	--	--	-	-	-	-	-	-	-	-	-
Iran	--	--	-	-	-	-	-	-	-	-	-
Iraq	--	--	-	-	-	-	-	-	-	-	-
Kuwait	--	--	-	-	-	-	-	-	-	-	-
Libya	--	--	-	-	-	-	-	-	-	-	-
Nigeria	--	--	-	-	-	-	325	-	-	-	325
Saudi Arabia	--	--	-	-	-	-	259	-	-	-	259
United Arab Emirates	--	--	-	-	-	-	-	-	-	-	-
Venezuela	--	--	-	-	-	-	-	-	-	-	-
<b>Non-OPEC</b>	--	--	2,227	3,443	4,522	-	44,964	1,106	363	-	46,433
Argentina	--	--	-	-	-	-	-	-	-	-	-
Aruba	--	--	-	-	-	-	-	-	-	-	-
Australia	--	--	-	-	-	-	-	-	-	-	-
Bahamas	--	--	-	-	-	-	301	-	-	-	301
Bahrain	--	--	-	-	-	-	-	-	-	-	-
Belgium	--	--	-	-	-	-	-	-	-	-	-
Brazil	--	--	2,227	-	-	-	-	-	-	-	-
Brunei	--	--	-	-	-	-	-	-	-	-	-
Cameroon	--	--	-	-	-	-	-	-	-	-	-
Canada	--	--	-	2,101	-	-	33,604	325	100	-	34,029
Chad	--	--	-	-	-	-	-	-	-	-	-
China	--	--	-	-	-	-	-	-	-	-	-
Colombia	--	--	-	-	-	-	4,845	-	-	-	4,845
Denmark	--	--	-	-	-	-	-	-	-	-	-
Ecuador	--	--	-	-	-	-	-	-	-	-	-
Egypt	--	--	-	-	-	-	-	-	-	-	-
Estonia	--	--	-	-	-	-	-	-	-	-	-
Finland	--	--	-	-	-	-	-	-	-	-	-
France	--	--	-	-	-	-	-	-	-	-	-
Germany	--	--	-	704	-	-	-	-	-	-	-
Guatemala	--	--	-	-	-	-	-	-	-	-	-
India	--	--	-	-	-	-	1,132	781	-	-	1,913
Indonesia	--	--	-	-	-	-	500	-	-	-	500
Italy	--	--	-	-	-	-	303	-	-	-	303
Korea, South	--	--	-	436	-	-	1,651	-	-	-	1,651
Latvia	--	--	-	-	-	-	-	-	-	-	-
Lithuania	--	--	-	-	-	-	-	-	-	-	-
Malaysia	--	--	-	-	-	-	109	-	-	-	109
Mexico	--	--	-	-	-	-	2	-	-	-	2
Netherlands	--	--	-	-	-	-	-	-	263	-	263
Norway	--	--	-	-	-	-	-	-	-	-	-
Oman	--	--	-	-	-	-	-	-	-	-	-
Portugal	--	--	-	-	-	-	-	-	-	-	-
Qatar	--	--	-	-	-	-	819	-	-	-	819
Russia	--	--	-	-	-	-	784	-	-	-	784
Spain	--	--	-	199	-	-	640	-	-	-	640
Sweden	--	--	-	-	-	-	-	-	-	-	-
Syria	--	--	-	-	-	-	-	-	-	-	-
Trinidad and Tobago	--	--	-	-	-	-	-	-	-	-	-
United Kingdom	--	--	-	-	-	-	-	-	-	-	-
Vietnam	--	--	-	-	-	-	-	-	-	-	-
Virgin Islands, U.S.	--	--	-	-	-	-	-	-	-	-	-
Yemen	--	--	-	-	-	-	-	-	-	-	-
Other	--	--	0	3	4,522	-	274	0	0	-	274
<b>Total</b>	--	--	2,227	3,443	4,522	-	45,548	1,106	363	-	47,017
<b>Persian Gulf<sup>3</sup></b>	--	--	-	-	-	-	1,078	-	-	-	1,078

See footnotes at end of table.



**Table 40. Year-to-Date Imports of Crude Oil and Petroleum Products into the United States by Country of Origin, January-September 2020**  
(Thousand Barrels) — Continued

Country of Origin	Kerosene	Finished Aviation Gasoline	Aviation Gasoline Blending Components	Kerosene-Type Jet Fuel	Special Naphthas	Residual Fuel Oil			
						Less than 0.31 % sulfur	0.31 to 1.00 % sulfur	Greater than 1.00 % sulfur	Total
<b>OPEC</b>	—	—	—	2,674	256	11	282	982	1,275
Algeria	—	—	—	295	—	11	226	15	252
Angola	—	—	—	—	—	—	—	—	—
Congo (Brazzaville)	—	—	—	—	—	—	4	—	4
Equatorial Guinea	—	—	—	—	—	—	—	—	—
Gabon	—	—	—	—	—	—	—	—	—
Iran	—	—	—	—	—	—	—	—	—
Iraq	—	—	—	42	—	—	—	—	—
Kuwait	—	—	—	1,398	—	—	—	—	—
Libya	—	—	—	—	—	—	—	—	—
Nigeria	—	—	—	—	—	—	52	—	52
Saudi Arabia	—	—	—	939	256	—	—	658	658
United Arab Emirates	—	—	—	—	—	—	—	309	309
Venezuela	—	—	—	—	—	—	—	—	—
<b>Non-OPEC</b>	40	210	—	38,954	3,344	1,668	9,625	33,904	45,197
Argentina	—	—	—	125	—	314	517	—	831
Aruba	—	—	—	—	—	—	—	—	—
Australia	—	—	—	—	—	—	—	—	—
Bahamas	—	—	—	—	—	—	174	1,408	1,582
Bahrain	—	—	—	—	—	—	—	—	—
Belgium	—	—	—	—	—	—	106	411	517
Brazil	—	—	—	—	385	35	1,160	754	1,949
Brunei	—	—	—	1,391	—	—	—	—	—
Cameroon	—	—	—	—	—	—	—	—	—
Canada	20	55	—	2,135	459	683	1,292	4,270	6,245
Chad	—	—	—	—	—	—	—	—	—
China	—	—	—	312	—	—	—	1	1
Colombia	—	—	—	206	—	6	50	444	500
Denmark	—	—	—	—	—	—	471	—	471
Ecuador	—	—	—	15	—	—	—	763	763
Egypt	—	—	—	—	—	—	—	2,547	2,547
Estonia	—	—	—	—	—	—	—	—	—
Finland	—	—	—	—	—	—	149	—	149
France	—	—	—	—	34	—	—	—	—
Germany	—	—	—	—	58	—	139	—	139
Guatemala	—	—	—	5	—	—	—	—	—
India	—	—	—	3,164	140	—	—	—	—
Indonesia	—	—	—	—	—	—	—	—	—
Italy	—	—	—	744	—	—	36	107	143
Korea, South	20	—	—	20,616	1,609	—	—	—	—
Latvia	—	—	—	—	—	—	—	76	76
Lithuania	—	—	—	—	—	—	—	431	431
Malaysia	—	—	—	—	—	—	—	—	—
Mexico	—	—	—	79	67	609	221	12,578	13,408
Netherlands	—	155	—	—	4	—	854	971	1,825
Norway	—	—	—	—	—	—	—	—	—
Oman	—	—	—	—	—	—	—	—	—
Portugal	—	—	—	—	—	—	495	—	495
Qatar	—	—	—	992	—	—	—	—	—
Russia	—	—	—	80	—	18	1,632	7,250	8,900
Spain	—	—	—	—	26	—	—	185	185
Sweden	—	—	—	—	—	—	797	—	797
Syria	—	—	—	—	—	—	—	—	—
Trinidad and Tobago	—	—	—	100	—	—	—	—	—
United Kingdom	—	—	—	284	29	—	692	94	786
Vietnam	—	—	—	—	—	—	—	—	—
Virgin Islands, U.S.	—	—	—	—	—	—	—	—	—
Yemen	—	—	—	—	—	—	—	—	—
Other	0	0	—	8,706	533	3	840	1,614	2,457
<b>Total</b>	<b>40</b>	<b>210</b>	<b>—</b>	<b>41,628</b>	<b>3,600</b>	<b>1,679</b>	<b>9,907</b>	<b>34,886</b>	<b>46,472</b>
<b>Persian Gulf<sup>3</sup></b>	<b>—</b>	<b>—</b>	<b>—</b>	<b>3,371</b>	<b>256</b>	<b>—</b>	<b>—</b>	<b>967</b>	<b>967</b>

See footnotes at end of table.

**Table 40. Year-to-Date Imports of Crude Oil and Petroleum Products into the United States by Country of Origin, January-September 2020**  
(Thousand Barrels) — Continued

Country of Origin	Petrochemical Feedstocks		Waxes	Petroleum Coke	Asphalt and Road Oil	Lubricants	Miscellaneous Products	Total Products	Total Crude Oil and Products	Daily Average		
	Naphtha	Other Oils								Crude Oil	Products	Total
<b>OPEC</b>	<b>77</b>	<b>—</b>	<b>3</b>	<b>—</b>	<b>—</b>	<b>1,034</b>	<b>—</b>	<b>16,426</b>	<b>269,898</b>	<b>925</b>	<b>60</b>	<b>985</b>
Algeria	—	—	—	—	—	—	—	2,982	2,982	—	11	11
Angola	—	—	—	—	—	—	—	633	7,262	24	2	27
Congo (Brazzaville)	—	—	—	—	—	—	—	4	952	3	0	3
Equatorial Guinea	—	—	—	—	—	—	—	815	815	—	3	3
Gabon	—	—	—	—	—	—	—	—	—	—	—	—
Iran	—	—	—	—	—	—	—	—	—	—	—	—
Iraq	—	—	—	—	—	—	—	42	55,121	201	0	201
Kuwait	—	—	—	—	—	—	—	2,115	8,167	22	8	30
Libya	—	—	—	—	—	—	—	3	3,118	11	0	11
Nigeria	—	—	—	—	—	—	—	1,571	20,140	68	6	74
Saudi Arabia	77	—	3	—	—	36	—	5,700	167,782	592	21	612
United Arab Emirates	—	—	—	—	—	998	—	2,561	3,559	4	9	13
Venezuela	—	—	—	—	—	—	—	—	—	—	—	—
<b>Non-OPEC</b>	<b>4,490</b>	<b>911</b>	<b>1,274</b>	<b>2,715</b>	<b>12,616</b>	<b>8,247</b>	<b>9</b>	<b>520,219</b>	<b>1,909,268</b>	<b>5,070</b>	<b>1,899</b>	<b>6,968</b>
Argentina	—	98	—	1,353	—	12	—	2,919	14,129	41	11	52
Aruba	—	—	—	—	—	—	—	—	—	—	—	—
Australia	—	—	—	—	—	—	—	—	—	—	—	—
Bahamas	—	—	—	—	—	—	—	2,131	3,138	4	8	11
Bahrain	—	—	—	—	—	287	—	287	287	—	1	1
Belgium	8	—	—	—	—	147	—	8,947	8,947	—	33	33
Brazil	—	26	—	441	—	—	—	14,419	31,889	64	53	116
Brunei	—	—	—	—	—	—	—	1,391	5,836	16	5	21
Cameroon	—	—	—	—	—	—	—	—	5,771	21	—	21
Canada	748	630	545	333	10,815	1,813	9	139,391	1,119,421	3,577	509	4,085
Chad	—	—	—	—	—	—	—	—	—	—	—	—
China	—	—	270	—	—	—	—	583	583	—	2	2
Colombia	—	—	—	—	330	—	—	9,904	84,131	271	36	307
Denmark	—	—	—	—	—	—	—	608	608	—	2	2
Ecuador	—	—	—	—	—	—	—	4,286	50,523	169	16	184
Egypt	—	—	—	—	—	—	—	7,338	8,357	4	27	31
Estonia	—	—	—	—	—	—	—	—	—	—	—	—
Finland	—	—	—	—	—	20	—	3,598	3,598	—	13	13
France	3	157	10	—	—	64	—	4,769	4,769	—	17	17
Germany	—	—	15	228	—	103	—	2,589	2,589	—	9	9
Guatemala	—	—	—	—	—	—	—	5	1,118	4	0	4
India	—	—	—	—	—	—	—	23,708	23,708	—	87	87
Indonesia	—	—	—	—	—	730	—	1,230	1,230	—	4	4
Italy	—	—	48	—	141	163	—	8,450	8,796	1	31	32
Korea, South	126	—	7	—	—	2,251	—	31,299	31,299	—	114	114
Latvia	—	—	—	—	—	—	—	169	169	—	1	1
Lithuania	—	—	—	—	—	—	—	1,224	1,224	—	4	4
Malaysia	—	—	30	—	—	—	—	1,836	1,836	—	7	7
Mexico	1,644	—	—	—	—	—	—	26,563	215,293	689	97	786
Netherlands	919	—	—	130	—	384	—	22,185	22,185	—	81	81
Norway	1	—	—	—	—	—	—	4,203	6,828	10	15	25
Oman	—	—	—	200	—	—	—	200	200	—	1	1
Portugal	—	—	—	—	—	19	—	7,398	7,398	—	27	27
Qatar	—	—	—	—	—	2,070	—	3,881	3,881	—	14	14
Russia	—	—	—	—	—	23	—	126,424	146,452	73	461	534
Spain	—	—	10	—	422	38	—	9,675	9,675	—	35	35
Sweden	—	—	—	19	—	5	—	4,300	4,300	—	16	16
Syria	—	—	—	—	—	—	—	—	—	—	—	—
Trinidad and Tobago	—	—	—	—	—	—	—	267	10,985	39	1	40
United Kingdom	74	—	77	8	—	113	—	15,986	22,137	22	58	81
Vietnam	—	—	—	—	—	—	—	—	614	2	—	2
Virgin Islands, U.S.	—	—	—	—	—	—	—	—	—	—	—	—
Yemen	—	—	—	—	—	—	—	—	—	—	—	—
Other	967	0	262	3	908	5	0	28,056	45,364	63	103	168
<b>Total</b>	<b>4,567</b>	<b>911</b>	<b>1,277</b>	<b>2,715</b>	<b>12,616</b>	<b>9,281</b>	<b>9</b>	<b>536,645</b>	<b>2,179,166</b>	<b>5,995</b>	<b>1,959</b>	<b>7,953</b>
<b>Persian Gulf<sup>3</sup></b>	<b>77</b>	<b>—</b>	<b>3</b>	<b>—</b>	<b>—</b>	<b>3,391</b>	<b>—</b>	<b>14,586</b>	<b>238,797</b>	<b>818</b>	<b>53</b>	<b>872</b>

— = Not Applicable.

— = No Data Reported.

<sup>1</sup> Crude oil and unfinished oils are reported by PAD District of processing; all other products are reported by PAD District of Entry.

<sup>2</sup> Includes crude oil imported for storage in the Strategic Petroleum Reserve.

<sup>3</sup> Includes Bahrain, Iran, Iraq, Kuwait, Qatar, Saudi Arabia, and United Arab Emirates.

Note: Totals may not equal sum of components due to independent rounding.

Source: Energy Information Administration (EIA) Form EIA-814, "Monthly Imports Report."

**Table 41. PAD District 1 - Imports of Crude Oil and Petroleum Products by Country of Origin, September 2020**  
(Thousand Barrels)

Country of Origin	Crude Oil <sup>1,2</sup>	Natural Gas Liquids	Refinery Olefins	Unfinished Oils <sup>1</sup>	Finished Motor Gasoline			Motor Gasoline Blending Components		
					Reformulated	Conventional	Total	Reformulated	Conventional	Total
<b>OPEC</b>	<b>2,606</b>	<b>-</b>	<b>-</b>	<b>307</b>	<b>-</b>	<b>321</b>	<b>321</b>	<b>-</b>	<b>309</b>	<b>309</b>
Algeria	-	-	-	-	-	-	-	-	-	-
Angola	-	-	-	-	-	-	-	-	-	-
Congo (Brazzaville)	-	-	-	-	-	-	-	-	-	-
Equatorial Guinea	-	-	-	-	-	-	-	-	-	-
Gabon	-	-	-	-	-	-	-	-	-	-
Iran	-	-	-	-	-	-	-	-	-	-
Iraq	-	-	-	-	-	-	-	-	-	-
Kuwait	-	-	-	-	-	-	-	-	-	-
Libya	-	-	-	1	-	-	-	-	-	-
Nigeria	2,098	-	-	306	-	-	-	-	-	-
Saudi Arabia	508	-	-	-	-	321	321	-	-	-
United Arab Emirates	-	-	-	-	-	-	-	-	309	309
Venezuela	-	-	-	-	-	-	-	-	-	-
<b>Non-OPEC</b>	<b>9,350</b>	<b>451</b>	<b>269</b>	<b>2,853</b>	<b>-</b>	<b>2,996</b>	<b>2,996</b>	<b>5,775</b>	<b>8,597</b>	<b>14,372</b>
Argentina	348	-	-	-	-	39	39	-	54	54
Aruba	-	-	-	-	-	-	-	-	-	-
Australia	-	-	-	-	-	-	-	-	-	-
Bahamas	-	-	-	-	-	-	-	-	-	-
Bahrain	-	-	-	-	-	-	-	-	-	-
Belgium	-	-	-	-	-	45	45	-	316	316
Brazil	-	-	-	-	-	311	311	-	625	625
Brunei	-	-	-	-	-	-	-	-	-	-
Cameroon	7	-	-	-	-	-	-	-	-	-
Canada	4,383	451	269	-	-	309	309	2,981	551	3,532
Chad	-	-	-	-	-	-	-	-	-	-
China	-	-	-	-	-	-	-	-	-	-
Colombia	-	-	-	-	-	-	-	-	-	-
Denmark	-	-	-	-	-	-	-	-	-	-
Ecuador	-	-	-	-	-	-	-	-	-	-
Egypt	-	-	-	-	-	-	-	-	-	-
Estonia	-	-	-	-	-	-	-	-	-	-
Finland	-	-	-	21	-	-	-	-	663	663
France	-	-	-	-	-	192	192	382	-	382
Germany	-	-	-	115	-	-	-	-	-	-
Guatemala	-	-	-	-	-	-	-	-	-	-
India	-	-	-	-	-	-	-	-	874	874
Indonesia	-	-	-	-	-	-	-	-	-	-
Italy	-	-	-	284	-	8	8	-	176	176
Korea, South	-	-	-	-	-	-	-	273	-	273
Latvia	-	-	-	-	-	-	-	-	-	-
Lithuania	-	-	-	-	-	49	49	-	-	-
Malaysia	-	-	-	-	-	-	-	-	-	-
Mexico	999	-	-	483	-	-	-	-	-	-
Netherlands	-	-	-	-	-	238	238	974	1,535	2,509
Norway	-	-	-	-	-	54	54	140	106	246
Oman	-	-	-	-	-	-	-	-	-	-
Portugal	-	-	-	-	-	564	564	-	-	-
Qatar	-	-	-	-	-	-	-	-	-	-
Russia	1,862	-	-	1,377	-	23	23	-	942	942
Spain	-	-	-	224	-	906	906	-	1,022	1,022
Sweden	-	-	-	349	-	12	12	-	311	311
Syria	-	-	-	-	-	-	-	-	-	-
Trinidad and Tobago	993	-	-	-	-	-	-	-	-	-
United Kingdom	-	-	-	-	-	195	195	1,025	473	1,498
Vietnam	-	-	-	-	-	-	-	-	-	-
Virgin Islands, U.S.	-	-	-	-	-	-	-	-	-	-
Yemen	-	-	-	-	-	-	-	-	-	-
Other	758	0	0	0	-	51	51	0	949	949
<b>Total</b>	<b>11,956</b>	<b>451</b>	<b>269</b>	<b>3,160</b>	<b>-</b>	<b>3,317</b>	<b>3,317</b>	<b>5,775</b>	<b>8,906</b>	<b>14,681</b>
<b>Persian Gulf<sup>3</sup></b>	<b>508</b>	<b>-</b>	<b>-</b>	<b>-</b>	<b>-</b>	<b>321</b>	<b>321</b>	<b>-</b>	<b>309</b>	<b>309</b>

See footnotes at end of table.

**Table 41. PAD District 1 - Imports of Crude Oil and Petroleum Products by Country of Origin, September 2020**  
(Thousand Barrels) — Continued

Country of Origin	Oxygenates		Renewable Fuels				Distillate Fuel Oil				Total
	Methyl Tertiary Butyl Ether (MTBE)	Other Oxygenates	Fuel Ethanol	Biomass-Based Diesel	Other Renewable Diesel	Other Renewable Fuels	15 ppm sulfur and under	Greater than 15 ppm to 500 ppm sulfur	501 to 2000 ppm	Greater than 2000 ppm	
<b>OPEC</b>	--	--	-	-	-	-	483	-	-	-	483
Algeria	--	--	-	-	-	-	-	-	-	-	-
Angola	--	--	-	-	-	-	-	-	-	-	-
Congo (Brazzaville)	--	--	-	-	-	-	-	-	-	-	-
Equatorial Guinea	--	--	-	-	-	-	-	-	-	-	-
Gabon	--	--	-	-	-	-	-	-	-	-	-
Iran	--	--	-	-	-	-	-	-	-	-	-
Iraq	--	--	-	-	-	-	-	-	-	-	-
Kuwait	--	--	-	-	-	-	-	-	-	-	-
Libya	--	--	-	-	-	-	-	-	-	-	-
Nigeria	--	--	-	-	-	-	325	-	-	-	325
Saudi Arabia	--	--	-	-	-	-	158	-	-	-	158
United Arab Emirates	--	--	-	-	-	-	-	-	-	-	-
Venezuela	--	--	-	-	-	-	-	-	-	-	-
<b>Non-OPEC</b>	--	--	-	71	-	-	4,093	34	-	-	4,127
Argentina	--	--	-	-	-	-	-	-	-	-	-
Aruba	--	--	-	-	-	-	-	-	-	-	-
Australia	--	--	-	-	-	-	-	-	-	-	-
Bahamas	--	--	-	-	-	-	142	-	-	-	142
Bahrain	--	--	-	-	-	-	-	-	-	-	-
Belgium	--	--	-	-	-	-	-	-	-	-	-
Brazil	--	--	-	-	-	-	-	-	-	-	-
Brunei	--	--	-	-	-	-	-	-	-	-	-
Cameroon	--	--	-	-	-	-	-	-	-	-	-
Canada	--	--	-	71	-	-	2,398	34	-	-	2,432
Chad	--	--	-	-	-	-	-	-	-	-	-
China	--	--	-	-	-	-	-	-	-	-	-
Colombia	--	--	-	-	-	-	1,179	-	-	-	1,179
Denmark	--	--	-	-	-	-	-	-	-	-	-
Ecuador	--	--	-	-	-	-	-	-	-	-	-
Egypt	--	--	-	-	-	-	-	-	-	-	-
Estonia	--	--	-	-	-	-	-	-	-	-	-
Finland	--	--	-	-	-	-	-	-	-	-	-
France	--	--	-	-	-	-	-	-	-	-	-
Germany	--	--	-	-	-	-	-	-	-	-	-
Guatemala	--	--	-	-	-	-	-	-	-	-	-
India	--	--	-	-	-	-	-	-	-	-	-
Indonesia	--	--	-	-	-	-	83	-	-	-	83
Italy	--	--	-	-	-	-	-	-	-	-	-
Korea, South	--	--	-	-	-	-	107	-	-	-	107
Latvia	--	--	-	-	-	-	-	-	-	-	-
Lithuania	--	--	-	-	-	-	-	-	-	-	-
Malaysia	--	--	-	-	-	-	109	-	-	-	109
Mexico	--	--	-	-	-	-	-	-	-	-	-
Netherlands	--	--	-	-	-	-	-	-	-	-	-
Norway	--	--	-	-	-	-	-	-	-	-	-
Oman	--	--	-	-	-	-	-	-	-	-	-
Portugal	--	--	-	-	-	-	-	-	-	-	-
Qatar	--	--	-	-	-	-	75	-	-	-	75
Russia	--	--	-	-	-	-	-	-	-	-	-
Spain	--	--	-	-	-	-	-	-	-	-	-
Sweden	--	--	-	-	-	-	-	-	-	-	-
Syria	--	--	-	-	-	-	-	-	-	-	-
Trinidad and Tobago	--	--	-	-	-	-	-	-	-	-	-
United Kingdom	--	--	-	-	-	-	-	-	-	-	-
Vietnam	--	--	-	-	-	-	-	-	-	-	-
Virgin Islands, U.S.	--	--	-	-	-	-	-	-	-	-	-
Yemen	--	--	-	-	-	-	-	-	-	-	-
Other	--	--	-	0	-	-	0	0	-	-	0
<b>Total</b>	--	--	-	71	-	-	4,576	34	-	-	4,610
<b>Persian Gulf<sup>3</sup></b>	--	--	-	-	-	-	233	-	-	-	233

See footnotes at end of table.

**Table 41. PAD District 1 - Imports of Crude Oil and Petroleum Products by Country of Origin, September 2020**  
(Thousand Barrels) — Continued

Country of Origin	Kerosene	Finished Aviation Gasoline	Aviation Gasoline Blending Components	Kerosene-Type Jet Fuel	Special Naphthas	Residual Fuel Oil			
						Less than 0.31 % sulfur	0.31 to 1.00 % sulfur	Greater than 1.00 % sulfur	Total
<b>OPEC</b>	—	—	—	806	—	—	—	—	—
Algeria	—	—	—	295	—	—	—	—	—
Angola	—	—	—	—	—	—	—	—	—
Congo (Brazzaville)	—	—	—	—	—	—	—	—	—
Equatorial Guinea	—	—	—	—	—	—	—	—	—
Gabon	—	—	—	—	—	—	—	—	—
Iran	—	—	—	—	—	—	—	—	—
Iraq	—	—	—	—	—	—	—	—	—
Kuwait	—	—	—	511	—	—	—	—	—
Libya	—	—	—	—	—	—	—	—	—
Nigeria	—	—	—	—	—	—	—	—	—
Saudi Arabia	—	—	—	—	—	—	—	—	—
United Arab Emirates	—	—	—	—	—	—	—	—	—
Venezuela	—	—	—	—	—	—	—	—	—
<b>Non-OPEC</b>	—	1	—	982	—	—	215	574	789
Argentina	—	—	—	—	—	—	—	—	—
Aruba	—	—	—	—	—	—	—	—	—
Australia	—	—	—	—	—	—	—	—	—
Bahamas	—	—	—	—	—	—	—	50	50
Bahrain	—	—	—	—	—	—	—	—	—
Belgium	—	—	—	—	—	—	—	—	—
Brazil	—	—	—	—	—	—	—	—	—
Brunei	—	—	—	—	—	—	—	—	—
Cameroon	—	—	—	—	—	—	—	—	—
Canada	—	1	—	140	—	—	—	176	176
Chad	—	—	—	—	—	—	—	—	—
China	—	—	—	—	—	—	—	—	—
Colombia	—	—	—	99	—	—	—	—	—
Denmark	—	—	—	—	—	—	—	—	—
Ecuador	—	—	—	—	—	—	—	—	—
Egypt	—	—	—	—	—	—	—	—	—
Estonia	—	—	—	—	—	—	—	—	—
Finland	—	—	—	—	—	—	—	—	—
France	—	—	—	—	—	—	—	—	—
Germany	—	—	—	—	—	—	—	—	—
Guatemala	—	—	—	—	—	—	—	—	—
India	—	—	—	—	—	—	—	—	—
Indonesia	—	—	—	—	—	—	—	—	—
Italy	—	—	—	265	—	—	—	—	—
Korea, South	—	—	—	478	—	—	—	—	—
Latvia	—	—	—	—	—	—	—	—	—
Lithuania	—	—	—	—	—	—	—	—	—
Malaysia	—	—	—	—	—	—	—	—	—
Mexico	—	—	—	—	—	—	215	—	215
Netherlands	—	—	—	—	—	—	—	348	348
Norway	—	—	—	—	—	—	—	—	—
Oman	—	—	—	—	—	—	—	—	—
Portugal	—	—	—	—	—	—	—	—	—
Qatar	—	—	—	—	—	—	—	—	—
Russia	—	—	—	—	—	—	—	—	—
Spain	—	—	—	—	—	—	—	—	—
Sweden	—	—	—	—	—	—	—	—	—
Syria	—	—	—	—	—	—	—	—	—
Trinidad and Tobago	—	—	—	—	—	—	—	—	—
United Kingdom	—	—	—	—	—	—	—	—	—
Vietnam	—	—	—	—	—	—	—	—	—
Virgin Islands, U.S.	—	—	—	—	—	—	—	—	—
Yemen	—	—	—	—	—	—	—	—	—
Other	—	0	—	0	—	—	0	0	0
<b>Total</b>	—	1	—	1,788	—	—	215	574	789
<b>Persian Gulf<sup>6</sup></b>	—	—	—	511	—	—	—	—	—

See footnotes at end of table.

**Table 41. PAD District 1 - Imports of Crude Oil and Petroleum Products by Country of Origin, September 2020**  
(Thousand Barrels) — Continued

Country of Origin	Petrochemical Feedstocks		Waxes	Petroleum Coke	Asphalt and Road Oil	Lubricants	Miscellaneous Products	Total Products	Total Crude Oil and Products	Daily Average		
	Naphtha	Other Oils								Crude Oil	Products	Total
<b>OPEC</b>	—	—	—	—	—	—	—	2,226	4,832	87	74	161
Algeria	—	—	—	—	—	—	—	295	295	—	10	10
Angola	—	—	—	—	—	—	—	—	—	—	—	—
Congo (Brazzaville)	—	—	—	—	—	—	—	—	—	—	—	—
Equatorial Guinea	—	—	—	—	—	—	—	—	—	—	—	—
Gabon	—	—	—	—	—	—	—	—	—	—	—	—
Iran	—	—	—	—	—	—	—	—	—	—	—	—
Iraq	—	—	—	—	—	—	—	—	—	—	—	—
Kuwait	—	—	—	—	—	—	—	511	511	—	17	17
Libya	—	—	—	—	—	—	—	1	1	—	0	0
Nigeria	—	—	—	—	—	—	—	631	2,729	70	21	91
Saudi Arabia	—	—	—	—	—	—	—	479	987	17	16	33
United Arab Emirates	—	—	—	—	—	—	—	309	309	—	10	10
Venezuela	—	—	—	—	—	—	—	—	—	—	—	—
<b>Non-OPEC</b>	—	—	63	4	641	103	—	27,722	37,072	312	924	1,236
Argentina	—	—	—	—	—	—	—	93	441	12	3	15
Aruba	—	—	—	—	—	—	—	—	—	—	—	—
Australia	—	—	—	—	—	—	—	—	—	—	—	—
Bahamas	—	—	—	—	—	—	—	192	192	—	6	6
Bahrain	—	—	—	—	—	—	—	—	—	—	—	—
Belgium	—	—	—	—	—	4	—	365	365	—	12	12
Brazil	—	—	—	—	—	—	—	936	936	—	31	31
Brunei	—	—	—	—	—	—	—	—	—	—	—	—
Cameroon	—	—	—	—	—	—	—	—	7	0	—	0
Canada	—	—	61	—	529	56	—	8,027	12,410	146	268	414
Chad	—	—	—	—	—	—	—	—	—	—	—	—
China	—	—	1	—	—	—	—	1	1	—	0	0
Colombia	—	—	—	—	69	—	—	1,347	1,347	—	45	45
Denmark	—	—	—	—	—	—	—	—	—	—	—	—
Ecuador	—	—	—	—	—	—	—	—	—	—	—	—
Egypt	—	—	—	—	—	—	—	—	—	—	—	—
Estonia	—	—	—	—	—	—	—	—	—	—	—	—
Finland	—	—	—	—	—	—	—	684	684	—	23	23
France	—	—	—	—	—	9	—	583	583	—	19	19
Germany	—	—	—	—	—	10	—	125	125	—	4	4
Guatemala	—	—	—	—	—	—	—	—	—	—	—	—
India	—	—	—	—	—	—	—	874	874	—	29	29
Indonesia	—	—	—	—	—	—	—	83	83	—	3	3
Italy	—	—	—	—	—	1	—	734	734	—	24	24
Korea, South	—	—	1	—	—	23	—	882	882	—	29	29
Latvia	—	—	—	—	—	—	—	—	—	—	—	—
Lithuania	—	—	—	—	—	—	—	49	49	—	2	2
Malaysia	—	—	—	—	—	—	—	109	109	—	4	4
Mexico	—	—	—	—	—	—	—	698	1,697	33	23	57
Netherlands	—	—	—	—	—	—	—	3,095	3,095	—	103	103
Norway	—	—	—	—	—	—	—	300	300	—	10	10
Oman	—	—	—	—	—	—	—	—	—	—	—	—
Portugal	—	—	—	—	—	—	—	564	564	—	19	19
Qatar	—	—	—	—	—	—	—	75	75	—	3	3
Russia	—	—	—	—	—	—	—	2,342	4,204	62	78	140
Spain	—	—	—	—	43	—	—	2,195	2,195	—	73	73
Sweden	—	—	—	4	—	—	—	676	676	—	23	23
Syria	—	—	—	—	—	—	—	—	—	—	—	—
Trinidad and Tobago	—	—	—	—	—	—	—	—	993	33	—	33
United Kingdom	—	—	—	—	—	—	—	1,693	1,693	—	56	56
Vietnam	—	—	—	—	—	—	—	—	—	—	—	—
Virgin Islands, U.S.	—	—	—	—	—	—	—	—	—	—	—	—
Yemen	—	—	—	—	—	—	—	—	—	—	—	—
Other	—	—	0	0	0	0	—	1,000	1,758	26	34	59
<b>Total</b>	—	—	63	4	641	103	—	29,948	41,904	399	998	1,397
<b>Persian Gulf<sup>3</sup></b>	—	—	—	—	—	—	—	1,374	1,882	17	46	63

— = Not Applicable.

— = No Data Reported.

<sup>1</sup> Crude oil and unfinished oils are reported by PAD District of processing; all other products are reported by PAD District of Entry.

<sup>2</sup> Includes crude oil imported for storage in the Strategic Petroleum Reserve.

<sup>3</sup> Includes Bahrain, Iran, Iraq, Kuwait, Qatar, Saudi Arabia, and United Arab Emirates.

Note: Totals may not equal sum of components due to independent rounding.

Source: Energy Information Administration (EIA) Form EIA-814, "Monthly Imports Report."

**Table 42. PAD District 2 - Imports of Crude Oil and Petroleum Products by Country of Origin, September 2020**  
(Thousand Barrels)

Country of Origin	Crude Oil <sup>1,2</sup>	Natural Gas Liquids	Refinery Olefins	Unfinished Oils <sup>1</sup>	Finished Motor Gasoline			Motor Gasoline Blending Components		
					Reform-ulated	Conven-tional	Total	Reform-ulated	Conven-tional	Total
<b>OPEC</b> .....	-	-	-	-	-	-	-	-	-	-
Algeria .....	-	-	-	-	-	-	-	-	-	-
Angola .....	-	-	-	-	-	-	-	-	-	-
Congo (Brazzaville) .....	-	-	-	-	-	-	-	-	-	-
Equatorial Guinea .....	-	-	-	-	-	-	-	-	-	-
Gabon .....	-	-	-	-	-	-	-	-	-	-
Iran .....	-	-	-	-	-	-	-	-	-	-
Iraq .....	-	-	-	-	-	-	-	-	-	-
Kuwait .....	-	-	-	-	-	-	-	-	-	-
Libya .....	-	-	-	-	-	-	-	-	-	-
Nigeria .....	-	-	-	-	-	-	-	-	-	-
Saudi Arabia .....	-	-	-	-	-	-	-	-	-	-
United Arab Emirates .....	-	-	-	-	-	-	-	-	-	-
Venezuela .....	-	-	-	-	-	-	-	-	-	-
<b>Non-OPEC</b> .....	<b>69,569</b>	<b>2,515</b>	<b>189</b>	-	-	-	-	-	<b>5</b>	<b>5</b>
Argentina .....	-	-	-	-	-	-	-	-	-	-
Aruba .....	-	-	-	-	-	-	-	-	-	-
Australia .....	-	-	-	-	-	-	-	-	-	-
Bahamas .....	-	-	-	-	-	-	-	-	-	-
Bahrain .....	-	-	-	-	-	-	-	-	-	-
Belgium .....	-	-	-	-	-	-	-	-	-	-
Brazil .....	-	-	-	-	-	-	-	-	-	-
Brunei .....	-	-	-	-	-	-	-	-	-	-
Cameroon .....	-	-	-	-	-	-	-	-	-	-
Canada .....	69,569	2,515	189	-	-	-	-	-	5	5
Chad .....	-	-	-	-	-	-	-	-	-	-
China .....	-	-	-	-	-	-	-	-	-	-
Colombia .....	-	-	-	-	-	-	-	-	-	-
Denmark .....	-	-	-	-	-	-	-	-	-	-
Ecuador .....	-	-	-	-	-	-	-	-	-	-
Egypt .....	-	-	-	-	-	-	-	-	-	-
Estonia .....	-	-	-	-	-	-	-	-	-	-
Finland .....	-	-	-	-	-	-	-	-	-	-
France .....	-	-	-	-	-	-	-	-	-	-
Germany .....	-	-	-	-	-	-	-	-	-	-
Guatemala .....	-	-	-	-	-	-	-	-	-	-
India .....	-	-	-	-	-	-	-	-	-	-
Indonesia .....	-	-	-	-	-	-	-	-	-	-
Italy .....	-	-	-	-	-	-	-	-	-	-
Korea, South .....	-	-	-	-	-	-	-	-	-	-
Latvia .....	-	-	-	-	-	-	-	-	-	-
Lithuania .....	-	-	-	-	-	-	-	-	-	-
Malaysia .....	-	-	-	-	-	-	-	-	-	-
Mexico .....	-	-	-	-	-	-	-	-	-	-
Netherlands .....	-	-	-	-	-	-	-	-	-	-
Norway .....	-	-	-	-	-	-	-	-	-	-
Oman .....	-	-	-	-	-	-	-	-	-	-
Portugal .....	-	-	-	-	-	-	-	-	-	-
Qatar .....	-	-	-	-	-	-	-	-	-	-
Russia .....	-	-	-	-	-	-	-	-	-	-
Spain .....	-	-	-	-	-	-	-	-	-	-
Sweden .....	-	-	-	-	-	-	-	-	-	-
Syria .....	-	-	-	-	-	-	-	-	-	-
Trinidad and Tobago .....	-	-	-	-	-	-	-	-	-	-
United Kingdom .....	-	-	-	-	-	-	-	-	-	-
Vietnam .....	-	-	-	-	-	-	-	-	-	-
Virgin Islands, U.S. ....	-	-	-	-	-	-	-	-	-	-
Yemen .....	-	-	-	-	-	-	-	-	-	-
Other .....	0	0	0	-	-	-	-	-	0	0
<b>Total</b> .....	<b>69,569</b>	<b>2,515</b>	<b>189</b>	-	-	-	-	-	<b>5</b>	<b>5</b>
<b>Persian Gulf<sup>3</sup></b> .....	-	-	-	-	-	-	-	-	-	-

See footnotes at end of table.



**Table 42. PAD District 2 - Imports of Crude Oil and Petroleum Products by Country of Origin, September 2020**  
(Thousand Barrels) — Continued

Country of Origin	Oxygenates		Renewable Fuels				Distillate Fuel Oil				Total
	Methyl Tertiary Butyl Ether (MTBE)	Other Oxygenates	Fuel Ethanol	Biomass-Based Diesel	Other Renewable Diesel	Other Renewable Fuels	15 ppm sulfur and under	Greater than 15 ppm to 500 ppm sulfur	501 to 2000 ppm	Greater than 2000 ppm	
<b>OPEC</b>	--	--	-	-	-	-	-	-	-	-	-
Algeria	--	--	-	-	-	-	-	-	-	-	-
Angola	--	--	-	-	-	-	-	-	-	-	-
Congo (Brazzaville)	--	--	-	-	-	-	-	-	-	-	-
Equatorial Guinea	--	--	-	-	-	-	-	-	-	-	-
Gabon	--	--	-	-	-	-	-	-	-	-	-
Iran	--	--	-	-	-	-	-	-	-	-	-
Iraq	--	--	-	-	-	-	-	-	-	-	-
Kuwait	--	--	-	-	-	-	-	-	-	-	-
Libya	--	--	-	-	-	-	-	-	-	-	-
Nigeria	--	--	-	-	-	-	-	-	-	-	-
Saudi Arabia	--	--	-	-	-	-	-	-	-	-	-
United Arab Emirates	--	--	-	-	-	-	-	-	-	-	-
Venezuela	--	--	-	-	-	-	-	-	-	-	-
<b>Non-OPEC</b>	--	--	-	104	-	-	106	-	2	-	108
Argentina	--	--	-	-	-	-	-	-	-	-	-
Aruba	--	--	-	-	-	-	-	-	-	-	-
Australia	--	--	-	-	-	-	-	-	-	-	-
Bahamas	--	--	-	-	-	-	-	-	-	-	-
Bahrain	--	--	-	-	-	-	-	-	-	-	-
Belgium	--	--	-	-	-	-	-	-	-	-	-
Brazil	--	--	-	-	-	-	-	-	-	-	-
Brunei	--	--	-	-	-	-	-	-	-	-	-
Cameroon	--	--	-	-	-	-	-	-	-	-	-
Canada	--	--	-	104	-	-	106	-	2	-	108
Chad	--	--	-	-	-	-	-	-	-	-	-
China	--	--	-	-	-	-	-	-	-	-	-
Colombia	--	--	-	-	-	-	-	-	-	-	-
Denmark	--	--	-	-	-	-	-	-	-	-	-
Ecuador	--	--	-	-	-	-	-	-	-	-	-
Egypt	--	--	-	-	-	-	-	-	-	-	-
Estonia	--	--	-	-	-	-	-	-	-	-	-
Finland	--	--	-	-	-	-	-	-	-	-	-
France	--	--	-	-	-	-	-	-	-	-	-
Germany	--	--	-	-	-	-	-	-	-	-	-
Guatemala	--	--	-	-	-	-	-	-	-	-	-
India	--	--	-	-	-	-	-	-	-	-	-
Indonesia	--	--	-	-	-	-	-	-	-	-	-
Italy	--	--	-	-	-	-	-	-	-	-	-
Korea, South	--	--	-	-	-	-	-	-	-	-	-
Latvia	--	--	-	-	-	-	-	-	-	-	-
Lithuania	--	--	-	-	-	-	-	-	-	-	-
Malaysia	--	--	-	-	-	-	-	-	-	-	-
Mexico	--	--	-	-	-	-	-	-	-	-	-
Netherlands	--	--	-	-	-	-	-	-	-	-	-
Norway	--	--	-	-	-	-	-	-	-	-	-
Oman	--	--	-	-	-	-	-	-	-	-	-
Portugal	--	--	-	-	-	-	-	-	-	-	-
Qatar	--	--	-	-	-	-	-	-	-	-	-
Russia	--	--	-	-	-	-	-	-	-	-	-
Spain	--	--	-	-	-	-	-	-	-	-	-
Sweden	--	--	-	-	-	-	-	-	-	-	-
Syria	--	--	-	-	-	-	-	-	-	-	-
Trinidad and Tobago	--	--	-	-	-	-	-	-	-	-	-
United Kingdom	--	--	-	-	-	-	-	-	-	-	-
Vietnam	--	--	-	-	-	-	-	-	-	-	-
Virgin Islands, U.S.	--	--	-	-	-	-	-	-	-	-	-
Yemen	--	--	-	-	-	-	-	-	-	-	-
Other	--	--	-	0	-	-	0	-	0	-	0
<b>Total</b>	--	--	-	104	-	-	106	-	2	-	108
<b>Persian Gulf<sup>3</sup></b>	--	--	-	-	-	-	-	-	-	-	-

See footnotes at end of table.

**Table 42. PAD District 2 - Imports of Crude Oil and Petroleum Products by Country of Origin, September 2020**  
(Thousand Barrels) — Continued

Country of Origin	Kerosene	Finished Aviation Gasoline	Aviation Gasoline Blending Components	Kerosene-Type Jet Fuel	Special Naphthas	Residual Fuel Oil			
						Less than 0.31 % sulfur	0.31 to 1.00 % sulfur	Greater than 1.00 % sulfur	Total
<b>OPEC</b> .....	-	-	-	-	-	-	-	-	-
Algeria .....	-	-	-	-	-	-	-	-	-
Angola .....	-	-	-	-	-	-	-	-	-
Congo (Brazzaville) .....	-	-	-	-	-	-	-	-	-
Equatorial Guinea .....	-	-	-	-	-	-	-	-	-
Gabon .....	-	-	-	-	-	-	-	-	-
Iran .....	-	-	-	-	-	-	-	-	-
Iraq .....	-	-	-	-	-	-	-	-	-
Kuwait .....	-	-	-	-	-	-	-	-	-
Libya .....	-	-	-	-	-	-	-	-	-
Nigeria .....	-	-	-	-	-	-	-	-	-
Saudi Arabia .....	-	-	-	-	-	-	-	-	-
United Arab Emirates .....	-	-	-	-	-	-	-	-	-
Venezuela .....	-	-	-	-	-	-	-	-	-
<b>Non-OPEC</b> .....	-	3	-	-	1	-	8	46	54
Argentina .....	-	-	-	-	-	-	-	-	-
Aruba .....	-	-	-	-	-	-	-	-	-
Australia .....	-	-	-	-	-	-	-	-	-
Bahamas .....	-	-	-	-	-	-	-	-	-
Bahrain .....	-	-	-	-	-	-	-	-	-
Belgium .....	-	-	-	-	-	-	-	-	-
Brazil .....	-	-	-	-	-	-	-	-	-
Brunei .....	-	-	-	-	-	-	-	-	-
Cameroon .....	-	-	-	-	-	-	-	-	-
Canada .....	-	3	-	-	1	-	8	46	54
Chad .....	-	-	-	-	-	-	-	-	-
China .....	-	-	-	-	-	-	-	-	-
Colombia .....	-	-	-	-	-	-	-	-	-
Denmark .....	-	-	-	-	-	-	-	-	-
Ecuador .....	-	-	-	-	-	-	-	-	-
Egypt .....	-	-	-	-	-	-	-	-	-
Estonia .....	-	-	-	-	-	-	-	-	-
Finland .....	-	-	-	-	-	-	-	-	-
France .....	-	-	-	-	-	-	-	-	-
Germany .....	-	-	-	-	-	-	-	-	-
Guatemala .....	-	-	-	-	-	-	-	-	-
India .....	-	-	-	-	-	-	-	-	-
Indonesia .....	-	-	-	-	-	-	-	-	-
Italy .....	-	-	-	-	-	-	-	-	-
Korea, South .....	-	-	-	-	-	-	-	-	-
Latvia .....	-	-	-	-	-	-	-	-	-
Lithuania .....	-	-	-	-	-	-	-	-	-
Malaysia .....	-	-	-	-	-	-	-	-	-
Mexico .....	-	-	-	-	-	-	-	-	-
Netherlands .....	-	-	-	-	-	-	-	-	-
Norway .....	-	-	-	-	-	-	-	-	-
Oman .....	-	-	-	-	-	-	-	-	-
Portugal .....	-	-	-	-	-	-	-	-	-
Qatar .....	-	-	-	-	-	-	-	-	-
Russia .....	-	-	-	-	-	-	-	-	-
Spain .....	-	-	-	-	-	-	-	-	-
Sweden .....	-	-	-	-	-	-	-	-	-
Syria .....	-	-	-	-	-	-	-	-	-
Trinidad and Tobago .....	-	-	-	-	-	-	-	-	-
United Kingdom .....	-	-	-	-	-	-	-	-	-
Vietnam .....	-	-	-	-	-	-	-	-	-
Virgin Islands, U.S. ....	-	-	-	-	-	-	-	-	-
Yemen .....	-	-	-	-	-	-	-	-	-
Other .....	-	0	-	-	0	-	0	0	0
<b>Total</b> .....	-	3	-	-	1	-	8	46	54
<b>Persian Gulf<sup>3</sup></b> .....	-	-	-	-	-	-	-	-	-

See footnotes at end of table.

**Table 42. PAD District 2 - Imports of Crude Oil and Petroleum Products by Country of Origin, September 2020**  
(Thousand Barrels) — Continued

Country of Origin	Petrochemical Feedstocks		Waxes	Petroleum Coke	Asphalt and Road Oil	Lubricants	Miscellaneous Products	Total Products	Total Crude Oil and Products	Daily Average		
	Naphtha	Other Oils								Crude Oil	Products	Total
<b>OPEC</b> .....	-	-	-	-	-	-	-	-	-	-	-	-
Algeria .....	-	-	-	-	-	-	-	-	-	-	-	-
Angola .....	-	-	-	-	-	-	-	-	-	-	-	-
Congo (Brazzaville) .....	-	-	-	-	-	-	-	-	-	-	-	-
Equatorial Guinea .....	-	-	-	-	-	-	-	-	-	-	-	-
Gabon .....	-	-	-	-	-	-	-	-	-	-	-	-
Iran .....	-	-	-	-	-	-	-	-	-	-	-	-
Iraq .....	-	-	-	-	-	-	-	-	-	-	-	-
Kuwait .....	-	-	-	-	-	-	-	-	-	-	-	-
Libya .....	-	-	-	-	-	-	-	-	-	-	-	-
Nigeria .....	-	-	-	-	-	-	-	-	-	-	-	-
Saudi Arabia .....	-	-	-	-	-	-	-	-	-	-	-	-
United Arab Emirates .....	-	-	-	-	-	-	-	-	-	-	-	-
Venezuela .....	-	-	-	-	-	-	-	-	-	-	-	-
<b>Non-OPEC</b> .....	<b>70</b>	<b>48</b>	<b>14</b>	<b>20</b>	<b>524</b>	<b>160</b>	<b>-</b>	<b>3,815</b>	<b>73,384</b>	<b>2,319</b>	<b>127</b>	<b>2,446</b>
Argentina .....	-	-	-	-	-	-	-	-	-	-	-	-
Aruba .....	-	-	-	-	-	-	-	-	-	-	-	-
Australia .....	-	-	-	-	-	-	-	-	-	-	-	-
Bahamas .....	-	-	-	-	-	-	-	-	-	-	-	-
Bahrain .....	-	-	-	-	-	-	-	-	-	-	-	-
Belgium .....	-	-	-	-	-	-	-	-	-	-	-	-
Brazil .....	-	-	-	-	-	-	-	-	-	-	-	-
Brunei .....	-	-	-	-	-	-	-	-	-	-	-	-
Cameroon .....	-	-	-	-	-	-	-	-	-	-	-	-
Canada .....	70	48	14	20	524	160	-	3,815	73,384	2,319	127	2,446
Chad .....	-	-	-	-	-	-	-	-	-	-	-	-
China .....	-	-	-	-	-	-	-	-	-	-	-	-
Colombia .....	-	-	-	-	-	-	-	-	-	-	-	-
Denmark .....	-	-	-	-	-	-	-	-	-	-	-	-
Ecuador .....	-	-	-	-	-	-	-	-	-	-	-	-
Egypt .....	-	-	-	-	-	-	-	-	-	-	-	-
Estonia .....	-	-	-	-	-	-	-	-	-	-	-	-
Finland .....	-	-	-	-	-	-	-	-	-	-	-	-
France .....	-	-	-	-	-	-	-	-	-	-	-	-
Germany .....	-	-	-	-	-	-	-	-	-	-	-	-
Guatemala .....	-	-	-	-	-	-	-	-	-	-	-	-
India .....	-	-	-	-	-	-	-	-	-	-	-	-
Indonesia .....	-	-	-	-	-	-	-	-	-	-	-	-
Italy .....	-	-	-	-	-	-	-	-	-	-	-	-
Korea, South .....	-	-	-	-	-	-	-	-	-	-	-	-
Latvia .....	-	-	-	-	-	-	-	-	-	-	-	-
Lithuania .....	-	-	-	-	-	-	-	-	-	-	-	-
Malaysia .....	-	-	-	-	-	-	-	-	-	-	-	-
Mexico .....	-	-	-	-	-	-	-	-	-	-	-	-
Netherlands .....	-	-	-	-	-	-	-	-	-	-	-	-
Norway .....	-	-	-	-	-	-	-	-	-	-	-	-
Oman .....	-	-	-	-	-	-	-	-	-	-	-	-
Portugal .....	-	-	-	-	-	-	-	-	-	-	-	-
Qatar .....	-	-	-	-	-	-	-	-	-	-	-	-
Russia .....	-	-	-	-	-	-	-	-	-	-	-	-
Spain .....	-	-	-	-	-	-	-	-	-	-	-	-
Sweden .....	-	-	-	-	-	-	-	-	-	-	-	-
Syria .....	-	-	-	-	-	-	-	-	-	-	-	-
Trinidad and Tobago .....	-	-	-	-	-	-	-	-	-	-	-	-
United Kingdom .....	-	-	-	-	-	-	-	-	-	-	-	-
Vietnam .....	-	-	-	-	-	-	-	-	-	-	-	-
Virgin Islands, U.S. ....	-	-	-	-	-	-	-	-	-	-	-	-
Yemen .....	-	-	-	-	-	-	-	-	-	-	-	-
Other .....	0	0	0	0	0	0	-	0	0	0	0	0
<b>Total</b> .....	<b>70</b>	<b>48</b>	<b>14</b>	<b>20</b>	<b>524</b>	<b>160</b>	<b>-</b>	<b>3,815</b>	<b>73,384</b>	<b>2,319</b>	<b>127</b>	<b>2,446</b>
<b>Persian Gulf<sup>§</sup></b> .....	<b>-</b>	<b>-</b>	<b>-</b>	<b>-</b>	<b>-</b>	<b>-</b>	<b>-</b>	<b>-</b>	<b>-</b>	<b>-</b>	<b>-</b>	<b>-</b>

-- = Not Applicable.

- = No Data Reported.

<sup>1</sup> Crude oil and unfinished oils are reported by PAD District of processing; all other products are reported by PAD District of Entry.

<sup>2</sup> Includes crude oil imported for storage in the Strategic Petroleum Reserve.

<sup>3</sup> Includes Bahrain, Iran, Iraq, Kuwait, Qatar, Saudi Arabia, and United Arab Emirates.

Note: Totals may not equal sum of components due to independent rounding.

Source: Energy Information Administration (EIA) Form EIA-814, "Monthly Imports Report."

**Table 43. PAD District 3 - Imports of Crude Oil and Petroleum Products by Country of Origin, September 2020**  
(Thousand Barrels)

Country of Origin	Crude Oil <sup>1,2</sup>	Natural Gas Liquids	Refinery Olefins	Unfinished Oils <sup>1</sup>	Finished Motor Gasoline			Motor Gasoline Blending Components		
					Reformulated	Conventional	Total	Reformulated	Conventional	Total
<b>OPEC</b>	<b>5,141</b>	<b>-</b>	<b>-</b>	<b>102</b>	<b>-</b>	<b>-</b>	<b>-</b>	<b>-</b>	<b>-</b>	<b>-</b>
Algeria	-	-	-	102	-	-	-	-	-	-
Angola	-	-	-	-	-	-	-	-	-	-
Congo (Brazzaville)	-	-	-	-	-	-	-	-	-	-
Equatorial Guinea	-	-	-	-	-	-	-	-	-	-
Gabon	-	-	-	-	-	-	-	-	-	-
Iran	-	-	-	-	-	-	-	-	-	-
Iraq	-	-	-	-	-	-	-	-	-	-
Kuwait	549	-	-	-	-	-	-	-	-	-
Libya	-	-	-	-	-	-	-	-	-	-
Nigeria	-	-	-	-	-	-	-	-	-	-
Saudi Arabia	4,592	-	-	-	-	-	-	-	-	-
United Arab Emirates	-	-	-	-	-	-	-	-	-	-
Venezuela	-	-	-	-	-	-	-	-	-	-
<b>Non-OPEC</b>	<b>37,422</b>	<b>-</b>	<b>-</b>	<b>12,281</b>	<b>-</b>	<b>-</b>	<b>-</b>	<b>-</b>	<b>1,414</b>	<b>1,414</b>
Argentina	-	-	-	11	-	-	-	-	53	53
Aruba	-	-	-	-	-	-	-	-	-	-
Australia	-	-	-	-	-	-	-	-	-	-
Bahamas	-	-	-	-	-	-	-	-	-	-
Bahrain	-	-	-	-	-	-	-	-	-	-
Belgium	-	-	-	-	-	-	-	-	-	-
Brazil	523	-	-	-	-	-	-	-	26	26
Brunei	-	-	-	-	-	-	-	-	-	-
Cameroon	622	-	-	-	-	-	-	-	-	-
Canada	12,850	-	-	148	-	-	-	-	-	-
Chad	-	-	-	-	-	-	-	-	-	-
China	-	-	-	-	-	-	-	-	-	-
Colombia	7,182	-	-	-	-	-	-	-	-	-
Denmark	-	-	-	-	-	-	-	-	-	-
Ecuador	-	-	-	908	-	-	-	-	-	-
Egypt	-	-	-	-	-	-	-	-	-	-
Estonia	-	-	-	-	-	-	-	-	-	-
Finland	-	-	-	-	-	-	-	-	451	451
France	-	-	-	-	-	-	-	-	-	-
Germany	-	-	-	57	-	-	-	-	-	-
Guatemala	169	-	-	-	-	-	-	-	-	-
India	-	-	-	-	-	-	-	-	568	568
Indonesia	-	-	-	-	-	-	-	-	-	-
Italy	-	-	-	218	-	-	-	-	211	211
Korea, South	-	-	-	-	-	-	-	-	-	-
Latvia	-	-	-	-	-	-	-	-	-	-
Lithuania	-	-	-	-	-	-	-	-	-	-
Malaysia	-	-	-	506	-	-	-	-	-	-
Mexico	15,152	-	-	842	-	-	-	-	-	-
Netherlands	-	-	-	-	-	-	-	-	-	-
Norway	-	-	-	147	-	-	-	-	-	-
Oman	-	-	-	-	-	-	-	-	-	-
Portugal	-	-	-	-	-	-	-	-	-	-
Qatar	-	-	-	-	-	-	-	-	-	-
Russia	-	-	-	9,207	-	-	-	-	-	-
Spain	-	-	-	-	-	-	-	-	-	-
Sweden	-	-	-	68	-	-	-	-	-	-
Syria	-	-	-	-	-	-	-	-	-	-
Trinidad and Tobago	523	-	-	-	-	-	-	-	-	-
United Kingdom	401	-	-	141	-	-	-	-	105	105
Vietnam	-	-	-	-	-	-	-	-	-	-
Virgin Islands, U.S.	-	-	-	-	-	-	-	-	-	-
Yemen	-	-	-	-	-	-	-	-	-	-
Other	0	-	-	28	-	-	-	-	0	0
<b>Total</b>	<b>42,563</b>	<b>-</b>	<b>-</b>	<b>12,383</b>	<b>-</b>	<b>-</b>	<b>-</b>	<b>-</b>	<b>1,414</b>	<b>1,414</b>
<b>Persian Gulf<sup>3</sup></b>	<b>5,141</b>	<b>-</b>	<b>-</b>	<b>-</b>	<b>-</b>	<b>-</b>	<b>-</b>	<b>-</b>	<b>-</b>	<b>-</b>

See footnotes at end of table.

**Table 43. PAD District 3 - Imports of Crude Oil and Petroleum Products by Country of Origin, September 2020**  
(Thousand Barrels) — Continued

Country of Origin	Oxygenates		Renewable Fuels				Distillate Fuel Oil				Total
	Methyl Tertiary Butyl Ether (MTBE)	Other Oxygenates	Fuel Ethanol	Biomass-Based Diesel	Other Renewable Diesel	Other Renewable Fuels	15 ppm sulfur and under	Greater than 15 ppm to 500 ppm sulfur	501 to 2000 ppm	Greater than 2000 ppm	
<b>OPEC</b> .....	--	--	-	-	-	-	-	-	-	-	-
Algeria .....	--	--	-	-	-	-	-	-	-	-	-
Angola .....	--	--	-	-	-	-	-	-	-	-	-
Congo (Brazzaville) .....	--	--	-	-	-	-	-	-	-	-	-
Equatorial Guinea .....	--	--	-	-	-	-	-	-	-	-	-
Gabon .....	--	--	-	-	-	-	-	-	-	-	-
Iran .....	--	--	-	-	-	-	-	-	-	-	-
Iraq .....	--	--	-	-	-	-	-	-	-	-	-
Kuwait .....	--	--	-	-	-	-	-	-	-	-	-
Libya .....	--	--	-	-	-	-	-	-	-	-	-
Nigeria .....	--	--	-	-	-	-	-	-	-	-	-
Saudi Arabia .....	--	--	-	-	-	-	-	-	-	-	-
United Arab Emirates .....	--	--	-	-	-	-	-	-	-	-	-
Venezuela .....	--	--	-	-	-	-	-	-	-	-	-
<b>Non-OPEC</b> .....	--	--	-	3	-	-	-	-	-	-	-
Argentina .....	--	--	-	-	-	-	-	-	-	-	-
Aruba .....	--	--	-	-	-	-	-	-	-	-	-
Australia .....	--	--	-	-	-	-	-	-	-	-	-
Bahamas .....	--	--	-	-	-	-	-	-	-	-	-
Bahrain .....	--	--	-	-	-	-	-	-	-	-	-
Belgium .....	--	--	-	-	-	-	-	-	-	-	-
Brazil .....	--	--	-	-	-	-	-	-	-	-	-
Brunei .....	--	--	-	-	-	-	-	-	-	-	-
Cameroon .....	--	--	-	-	-	-	-	-	-	-	-
Canada .....	--	--	-	-	-	-	-	-	-	-	-
Chad .....	--	--	-	-	-	-	-	-	-	-	-
China .....	--	--	-	-	-	-	-	-	-	-	-
Colombia .....	--	--	-	-	-	-	-	-	-	-	-
Denmark .....	--	--	-	-	-	-	-	-	-	-	-
Ecuador .....	--	--	-	-	-	-	-	-	-	-	-
Egypt .....	--	--	-	-	-	-	-	-	-	-	-
Estonia .....	--	--	-	-	-	-	-	-	-	-	-
Finland .....	--	--	-	-	-	-	-	-	-	-	-
France .....	--	--	-	-	-	-	-	-	-	-	-
Germany .....	--	--	-	-	-	-	-	-	-	-	-
Guatemala .....	--	--	-	-	-	-	-	-	-	-	-
India .....	--	--	-	-	-	-	-	-	-	-	-
Indonesia .....	--	--	-	-	-	-	-	-	-	-	-
Italy .....	--	--	-	-	-	-	-	-	-	-	-
Korea, South .....	--	--	-	-	-	-	-	-	-	-	-
Latvia .....	--	--	-	-	-	-	-	-	-	-	-
Lithuania .....	--	--	-	-	-	-	-	-	-	-	-
Malaysia .....	--	--	-	-	-	-	-	-	-	-	-
Mexico .....	--	--	-	-	-	-	-	-	-	-	-
Netherlands .....	--	--	-	-	-	-	-	-	-	-	-
Norway .....	--	--	-	-	-	-	-	-	-	-	-
Oman .....	--	--	-	-	-	-	-	-	-	-	-
Portugal .....	--	--	-	-	-	-	-	-	-	-	-
Qatar .....	--	--	-	-	-	-	-	-	-	-	-
Russia .....	--	--	-	-	-	-	-	-	-	-	-
Spain .....	--	--	-	-	-	-	-	-	-	-	-
Sweden .....	--	--	-	-	-	-	-	-	-	-	-
Syria .....	--	--	-	-	-	-	-	-	-	-	-
Trinidad and Tobago .....	--	--	-	-	-	-	-	-	-	-	-
United Kingdom .....	--	--	-	-	-	-	-	-	-	-	-
Vietnam .....	--	--	-	-	-	-	-	-	-	-	-
Virgin Islands, U.S. ....	--	--	-	-	-	-	-	-	-	-	-
Yemen .....	--	--	-	-	-	-	-	-	-	-	-
Other .....	--	--	-	3	-	-	-	-	-	-	-
<b>Total</b> .....	--	--	-	3	-	-	-	-	-	-	-
<b>Persian Gulf<sup>3</sup></b> .....	--	--	-	-	-	-	-	-	-	-	-

See footnotes at end of table.

**Table 43. PAD District 3 - Imports of Crude Oil and Petroleum Products by Country of Origin, September 2020**  
(Thousand Barrels) — Continued

Country of Origin	Kerosene	Finished Aviation Gasoline	Aviation Gasoline Blending Components	Kerosene-Type Jet Fuel	Special Naphthas	Residual Fuel Oil			
						Less than 0.31 % sulfur	0.31 to 1.00 % sulfur	Greater than 1.00 % sulfur	Total
<b>OPEC</b> .....	—	—	—	—	45	—	—	17	17
Algeria .....	—	—	—	—	—	—	—	15	15
Angola .....	—	—	—	—	—	—	—	—	—
Congo (Brazzaville) .....	—	—	—	—	—	—	—	—	—
Equatorial Guinea .....	—	—	—	—	—	—	—	—	—
Gabon .....	—	—	—	—	—	—	—	—	—
Iran .....	—	—	—	—	—	—	—	—	—
Iraq .....	—	—	—	—	—	—	—	—	—
Kuwait .....	—	—	—	—	—	—	—	—	—
Libya .....	—	—	—	—	—	—	—	—	—
Nigeria .....	—	—	—	—	—	—	—	—	—
Saudi Arabia .....	—	—	—	—	45	—	—	2	2
United Arab Emirates .....	—	—	—	—	—	—	—	—	—
Venezuela .....	—	—	—	—	—	—	—	—	—
<b>Non-OPEC</b> .....	—	31	—	873	109	181	670	4,161	5,012
Argentina .....	—	—	—	—	—	—	—	—	—
Aruba .....	—	—	—	—	—	—	—	—	—
Australia .....	—	—	—	—	—	—	—	—	—
Bahamas .....	—	—	—	—	—	—	—	—	—
Bahrain .....	—	—	—	—	—	—	—	—	—
Belgium .....	—	—	—	—	—	—	—	—	—
Brazil .....	—	—	—	—	42	—	—	279	279
Brunei .....	—	—	—	—	—	—	—	—	—
Cameroon .....	—	—	—	—	—	—	—	—	—
Canada .....	—	—	—	—	67	—	—	54	54
Chad .....	—	—	—	—	—	—	—	—	—
China .....	—	—	—	—	—	—	—	—	—
Colombia .....	—	—	—	—	—	—	—	—	—
Denmark .....	—	—	—	—	—	—	—	—	—
Ecuador .....	—	—	—	—	—	—	—	—	—
Egypt .....	—	—	—	—	—	—	—	1,096	1,096
Estonia .....	—	—	—	—	—	—	—	—	—
Finland .....	—	—	—	—	—	—	—	—	—
France .....	—	—	—	—	—	—	—	—	—
Germany .....	—	—	—	—	—	—	—	—	—
Guatemala .....	—	—	—	—	—	—	—	—	—
India .....	—	—	—	465	—	—	—	—	—
Indonesia .....	—	—	—	—	—	—	—	—	—
Italy .....	—	—	—	—	—	—	—	48	48
Korea, South .....	—	—	—	328	—	—	—	—	—
Latvia .....	—	—	—	—	—	—	—	—	—
Lithuania .....	—	—	—	—	—	—	—	30	30
Malaysia .....	—	—	—	—	—	—	—	—	—
Mexico .....	—	—	—	—	—	181	—	1,651	1,832
Netherlands .....	—	31	—	—	—	—	—	198	198
Norway .....	—	—	—	—	—	—	—	—	—
Oman .....	—	—	—	—	—	—	—	—	—
Portugal .....	—	—	—	—	—	—	—	—	—
Qatar .....	—	—	—	—	—	—	—	—	—
Russia .....	—	—	—	80	—	—	670	593	1,263
Spain .....	—	—	—	—	—	—	—	118	118
Sweden .....	—	—	—	—	—	—	—	—	—
Syria .....	—	—	—	—	—	—	—	—	—
Trinidad and Tobago .....	—	—	—	—	—	—	—	—	—
United Kingdom .....	—	—	—	—	—	—	—	94	94
Vietnam .....	—	—	—	—	—	—	—	—	—
Virgin Islands, U.S. ....	—	—	—	—	—	—	—	—	—
Yemen .....	—	—	—	—	—	—	—	—	—
Other .....	—	0	—	0	0	0	0	0	0
<b>Total</b> .....	—	31	—	873	154	181	670	4,178	5,029
<b>Persian Gulf<sup>§</sup></b> .....	—	—	—	—	45	—	—	2	2

See footnotes at end of table.

**Table 43. PAD District 3 - Imports of Crude Oil and Petroleum Products by Country of Origin, September 2020**  
(Thousand Barrels) — Continued

Country of Origin	Petrochemical Feedstocks		Waxes	Petroleum Coke	Asphalt and Road Oil	Lubricants	Miscellaneous Products	Total Products	Total Crude Oil and Products	Daily Average		
	Naphtha	Other Oils								Crude Oil	Products	Total
<b>OPEC</b>	—	—	—	—	—	137	—	301	5,442	171	10	181
Algeria	—	—	—	—	—	—	—	117	117	—	4	4
Angola	—	—	—	—	—	—	—	—	—	—	—	—
Congo (Brazzaville)	—	—	—	—	—	—	—	—	—	—	—	—
Equatorial Guinea	—	—	—	—	—	—	—	—	—	—	—	—
Gabon	—	—	—	—	—	—	—	—	—	—	—	—
Iran	—	—	—	—	—	—	—	—	—	—	—	—
Iraq	—	—	—	—	—	—	—	—	—	—	—	—
Kuwait	—	—	—	—	—	—	—	549	18	—	—	18
Libya	—	—	—	—	—	—	—	—	—	—	—	—
Nigeria	—	—	—	—	—	—	—	—	—	—	—	—
Saudi Arabia	—	—	—	—	—	36	—	83	4,675	153	3	156
United Arab Emirates	—	—	—	—	—	101	—	101	101	—	3	3
Venezuela	—	—	—	—	—	—	—	—	—	—	—	—
<b>Non-OPEC</b>	179	20	15	241	24	583	—	20,804	58,226	1,247	693	1,941
Argentina	—	20	—	241	—	—	—	325	325	—	11	11
Aruba	—	—	—	—	—	—	—	—	—	—	—	—
Australia	—	—	—	—	—	—	—	—	—	—	—	—
Bahamas	—	—	—	—	—	—	—	—	—	—	—	—
Bahrain	—	—	—	—	—	—	—	—	—	—	—	—
Belgium	—	—	—	—	—	4	—	4	4	—	0	0
Brazil	—	—	—	—	—	—	—	347	870	17	12	29
Brunei	—	—	—	—	—	—	—	—	—	—	—	—
Cameroon	—	—	—	—	—	—	—	—	622	21	—	21
Canada	—	—	—	—	24	5	—	298	13,148	428	10	438
Chad	—	—	—	—	—	—	—	—	—	—	—	—
China	—	—	—	—	—	—	—	—	—	—	—	—
Colombia	—	—	—	—	—	—	—	—	7,182	239	—	239
Denmark	—	—	—	—	—	—	—	—	—	—	—	—
Ecuador	—	—	—	—	—	—	—	908	908	—	30	30
Egypt	—	—	—	—	—	—	—	1,096	1,096	—	37	37
Estonia	—	—	—	—	—	—	—	—	—	—	—	—
Finland	—	—	—	—	—	—	—	451	451	—	15	15
France	—	—	—	—	—	2	—	2	2	—	0	0
Germany	—	—	—	—	—	1	—	58	58	—	2	2
Guatemala	—	—	—	—	—	—	—	—	169	6	—	6
India	—	—	—	—	—	—	—	1,033	1,033	—	34	34
Indonesia	—	—	—	—	—	91	—	91	91	—	3	3
Italy	—	—	—	—	—	5	—	482	482	—	16	16
Korea, South	41	—	—	—	—	117	—	486	486	—	16	16
Latvia	—	—	—	—	—	—	—	—	—	—	—	—
Lithuania	—	—	—	—	—	—	—	30	30	—	1	1
Malaysia	—	—	15	—	—	—	—	521	521	—	17	17
Mexico	138	—	—	—	—	—	—	2,812	17,964	505	94	599
Netherlands	—	—	—	—	—	40	—	288	288	—	10	10
Norway	—	—	—	—	—	—	—	147	147	—	5	5
Oman	—	—	—	—	—	—	—	—	—	—	—	—
Portugal	—	—	—	—	—	—	—	—	—	—	—	—
Qatar	—	—	—	—	—	318	—	318	318	—	11	11
Russia	—	—	—	—	—	—	—	10,550	10,550	—	352	352
Spain	—	—	—	—	—	—	—	118	118	—	4	4
Sweden	—	—	—	—	—	—	—	68	68	—	2	2
Syria	—	—	—	—	—	—	—	—	—	—	—	—
Trinidad and Tobago	—	—	—	—	—	—	—	—	523	17	—	17
United Kingdom	—	—	—	—	—	—	—	340	741	13	11	25
Vietnam	—	—	—	—	—	—	—	—	—	—	—	—
Virgin Islands, U.S.	—	—	—	—	—	—	—	—	—	—	—	—
Yemen	—	—	—	—	—	—	—	—	—	—	—	—
Other	0	0	0	0	0	0	—	31	31	1	0	1
<b>Total</b>	179	20	15	241	24	720	—	21,105	63,668	1,419	704	2,122
<b>Persian Gulf<sup>6</sup></b>	—	—	—	—	—	455	—	502	5,643	171	17	188

— = Not Applicable.

— = No Data Reported.

<sup>1</sup> Crude oil and unfinished oils are reported by PAD District of processing; all other products are reported by PAD District of Entry.

<sup>2</sup> Includes crude oil imported for storage in the Strategic Petroleum Reserve.

<sup>3</sup> Includes Bahrain, Iran, Iraq, Kuwait, Qatar, Saudi Arabia, and United Arab Emirates.

Note: Totals may not equal sum of components due to independent rounding.

Source: Energy Information Administration (EIA) Form EIA-814, "Monthly Imports Report."



**Table 44. PAD District 4 and 5 - Imports of Crude Oil and Petroleum Products by Country of Origin, September 2020**  
(Thousand Barrels)

Country of Origin					Finished Motor Gasoline			Motor Gasoline Blending Components		
					Reform-ulated	Conven-tional	Total	Reform-ulated	Conven-tional	Total
	Crude Oil <sup>1,2</sup>	Natural Gas Liquids	Refinery Olefins	Unfinished Oils <sup>1</sup>						
	PAD District 4									
OPEC .....	-	-	-	-	-	-	-	-	-	-
Algeria .....	-	-	-	-	-	-	-	-	-	-
Angola .....	-	-	-	-	-	-	-	-	-	-
Congo (Brazzaville) .....	-	-	-	-	-	-	-	-	-	-
Iran .....	-	-	-	-	-	-	-	-	-	-
Iraq .....	-	-	-	-	-	-	-	-	-	-
Kuwait .....	-	-	-	-	-	-	-	-	-	-
Libya .....	-	-	-	-	-	-	-	-	-	-
Nigeria .....	-	-	-	-	-	-	-	-	-	-
Saudi Arabia .....	-	-	-	-	-	-	-	-	-	-
United Arab Emirates .....	-	-	-	-	-	-	-	-	-	-
Venezuela .....	-	-	-	-	-	-	-	-	-	-
Non-OPEC .....	8,967	342	-	-	-	-	-	-	142	142
Canada .....	8,967	342	-	-	-	-	-	-	142	142
Ecuador .....	-	-	-	-	-	-	-	-	-	-
Qatar .....	-	-	-	-	-	-	-	-	-	-
Other .....	0	0	-	-	-	-	-	-	0	0
Total .....	8,967	342	-	-	-	-	-	-	142	142
	PAD District 5									
OPEC .....	9,717	-	-	-	-	-	-	-	-	-
Algeria .....	-	-	-	-	-	-	-	-	-	-
Angola .....	951	-	-	-	-	-	-	-	-	-
Congo (Brazzaville) .....	1,896	-	-	-	-	-	-	-	-	-
Iran .....	-	-	-	-	-	-	-	-	-	-
Iraq .....	2,500	-	-	-	-	-	-	-	-	-
Kuwait .....	-	-	-	-	-	-	-	-	-	-
Libya .....	-	-	-	-	-	-	-	-	-	-
Nigeria .....	-	-	-	-	-	-	-	-	-	-
Saudi Arabia .....	5,318	-	-	-	-	-	-	-	-	-
United Arab Emirates .....	-	-	-	-	-	-	-	-	-	-
Venezuela .....	-	-	-	-	-	-	-	-	-	-
Non-OPEC .....	19,154	1,366	-	1,162	-	1,229	1,229	-	579	579
Argentina .....	1,319	-	-	-	-	-	-	-	-	-
Aruba .....	-	-	-	-	-	-	-	-	-	-
Australia .....	-	-	-	-	-	-	-	-	-	-
Brazil .....	508	-	-	-	-	-	-	-	-	-
Brunei .....	-	-	-	-	-	-	-	-	-	-
Canada .....	7,440	1,366	-	34	-	204	204	-	1	1
China .....	-	-	-	-	-	-	-	-	-	-
Colombia .....	2,009	-	-	-	-	-	-	-	-	-
Ecuador .....	5,909	-	-	-	-	-	-	-	-	-
Finland .....	-	-	-	-	-	-	-	-	-	-
Germany .....	-	-	-	-	-	-	-	-	-	-
Indonesia .....	-	-	-	-	-	-	-	-	-	-
Japan .....	-	-	-	-	-	-	-	-	-	-
Korea, South .....	-	-	-	-	-	262	262	-	-	-
Malaysia .....	-	-	-	-	-	-	-	-	-	-
Mexico .....	998	-	-	781	-	-	-	-	-	-
Netherlands .....	-	-	-	-	-	356	356	-	-	-
Oman .....	-	-	-	-	-	-	-	-	-	-
Papua New Guinea .....	-	-	-	-	-	-	-	-	-	-
Peru .....	261	-	-	-	-	-	-	-	-	-
Qatar .....	-	-	-	-	-	-	-	-	-	-
Singapore .....	-	-	-	-	-	-	-	-	-	-
Sweden .....	-	-	-	-	-	-	-	-	-	-
Taiwan .....	-	-	-	-	-	-	-	-	-	-
United Kingdom .....	-	-	-	-	-	16	16	-	280	280
Vietnam .....	-	-	-	-	-	-	-	-	-	-
Virgin Islands, U.S. ....	-	-	-	-	-	-	-	-	-	-
Other .....	710	0	-	347	-	391	391	-	298	298
Total .....	28,871	1,392	-	1,162	-	1,229	1,229	-	579	579
Persian Gulf <sup>3</sup> .....	7,818	-	-	-	-	-	-	-	-	-

See footnotes at end of table.

**Table 44. PAD District 4 and 5 - Imports of Crude Oil and Petroleum Products by Country of Origin, September 2020**  
(Thousand Barrels) — Continued

Country of Origin	Oxygenates		Renewable Fuels				Distillate Fuel Oil				
	Methyl Tertiary Butyl Ether (MTBE)	Other Oxygenates	Fuel Ethanol	Biomass-Based Diesel	Other Renewable Diesel	Other Renewable Fuels	15 ppm sulfur and under	Greater than 15 ppm to 500 ppm sulfur	501 to 2000 ppm	Greater than 2000 ppm	Total
<b>PAD District 4</b>											
<b>OPEC</b> .....	--	--	-	-	-	-	-	-	-	-	-
Algeria .....	--	--	-	-	-	-	-	-	-	-	-
Angola .....	--	--	-	-	-	-	-	-	-	-	-
Congo (Brazzaville) .....	--	--	-	-	-	-	-	-	-	-	-
Iran .....	--	--	-	-	-	-	-	-	-	-	-
Iraq .....	--	--	-	-	-	-	-	-	-	-	-
Kuwait .....	--	--	-	-	-	-	-	-	-	-	-
Libya .....	--	--	-	-	-	-	-	-	-	-	-
Nigeria .....	--	--	-	-	-	-	-	-	-	-	-
Saudi Arabia .....	--	--	-	-	-	-	-	-	-	-	-
United Arab Emirates .....	--	--	-	-	-	-	-	-	-	-	-
Venezuela .....	--	--	-	-	-	-	-	-	-	-	-
<b>Non-OPEC</b> .....	--	--	-	43	-	-	217	-	-	-	217
Canada .....	--	--	-	43	-	-	217	-	-	-	217
Ecuador .....	--	--	-	-	-	-	-	-	-	-	-
Qatar .....	--	--	-	-	-	-	-	-	-	-	-
Other .....	--	--	-	0	-	-	0	-	-	-	0
<b>Total</b> .....	--	--	-	43	-	-	217	-	-	-	217
<b>PAD District 5</b>											
<b>OPEC</b> .....	--	--	-	-	-	-	-	-	-	-	-
Algeria .....	--	--	-	-	-	-	-	-	-	-	-
Angola .....	--	--	-	-	-	-	-	-	-	-	-
Congo (Brazzaville) .....	--	--	-	-	-	-	-	-	-	-	-
Iran .....	--	--	-	-	-	-	-	-	-	-	-
Iraq .....	--	--	-	-	-	-	-	-	-	-	-
Kuwait .....	--	--	-	-	-	-	-	-	-	-	-
Libya .....	--	--	-	-	-	-	-	-	-	-	-
Nigeria .....	--	--	-	-	-	-	-	-	-	-	-
Saudi Arabia .....	--	--	-	-	-	-	-	-	-	-	-
United Arab Emirates .....	--	--	-	-	-	-	-	-	-	-	-
Venezuela .....	--	--	-	-	-	-	-	-	-	-	-
<b>Non-OPEC</b> .....	--	--	438	139	517	-	459	-	-	-	459
Argentina .....	--	--	-	-	-	-	-	-	-	-	-
Aruba .....	--	--	-	-	-	-	-	-	-	-	-
Australia .....	--	--	-	-	-	-	-	-	-	-	-
Brazil .....	--	--	438	-	-	-	-	-	-	-	-
Brunei .....	--	--	-	-	-	-	-	-	-	-	-
Canada .....	--	--	-	5	-	-	459	-	-	-	459
China .....	--	--	-	-	-	-	-	-	-	-	-
Colombia .....	--	--	-	-	-	-	-	-	-	-	-
Ecuador .....	--	--	-	-	-	-	-	-	-	-	-
Finland .....	--	--	-	-	-	-	-	-	-	-	-
Germany .....	--	--	-	-	-	-	-	-	-	-	-
Indonesia .....	--	--	-	-	-	-	-	-	-	-	-
Japan .....	--	--	-	-	-	-	-	-	-	-	-
Korea, South .....	--	--	-	134	-	-	-	-	-	-	-
Malaysia .....	--	--	-	-	-	-	-	-	-	-	-
Mexico .....	--	--	-	-	-	-	-	-	-	-	-
Netherlands .....	--	--	-	-	-	-	-	-	-	-	-
Oman .....	--	--	-	-	-	-	-	-	-	-	-
Papua New Guinea .....	--	--	-	-	-	-	-	-	-	-	-
Peru .....	--	--	-	-	-	-	-	-	-	-	-
Qatar .....	--	--	-	-	-	-	-	-	-	-	-
Singapore .....	--	--	-	-	-	-	-	-	-	-	-
Sweden .....	--	--	-	-	-	-	-	-	-	-	-
Taiwan .....	--	--	-	-	-	-	-	-	-	-	-
United Kingdom .....	--	--	-	-	-	-	-	-	-	-	-
Vietnam .....	--	--	-	-	-	-	-	-	-	-	-
Virgin Islands, U.S. ....	--	--	-	-	-	-	-	-	-	-	-
Other .....	--	--	0	0	517	-	0	-	-	-	0
<b>Total</b> .....	--	--	438	139	517	-	459	-	-	-	459
<b>Persian Gulf<sup>3</sup></b> .....	--	--	-	-	-	-	-	-	-	-	-

See footnotes at end of table.

**Table 44. PAD District 4 and 5 - Imports of Crude Oil and Petroleum Products by Country of Origin, September 2020**  
(Thousand Barrels) — Continued

Country of Origin			Aviation Gasoline Blending Components	Kerosene-Type Jet Fuel	Special Naphthas	Residual Fuel Oil			
						Less than 0.31 % sulfur	0.31 to 1.00 % sulfur	Greater than 1.00 % sulfur	Total
	Kerosene	Finished Aviation Gasoline							
	PAD District 4								
OPEC	-	-	-	-	-	-	-	-	-
Algeria	-	-	-	-	-	-	-	-	-
Angola	-	-	-	-	-	-	-	-	-
Congo (Brazzaville)	-	-	-	-	-	-	-	-	-
Iran	-	-	-	-	-	-	-	-	-
Iraq	-	-	-	-	-	-	-	-	-
Kuwait	-	-	-	-	-	-	-	-	-
Libya	-	-	-	-	-	-	-	-	-
Nigeria	-	-	-	-	-	-	-	-	-
Saudi Arabia	-	-	-	-	-	-	-	-	-
United Arab Emirates	-	-	-	-	-	-	-	-	-
Venezuela	-	-	-	-	-	-	-	-	-
Non-OPEC	-	2	-	-	-	-	-	-	-
Canada	-	2	-	-	-	-	-	-	-
Ecuador	-	-	-	-	-	-	-	-	-
Qatar	-	-	-	-	-	-	-	-	-
Other	-	0	-	-	-	-	-	-	-
Total	-	2	-	-	-	-	-	-	-
	PAD District 5								
OPEC	-	-	-	-	-	-	-	-	-
Algeria	-	-	-	-	-	-	-	-	-
Angola	-	-	-	-	-	-	-	-	-
Congo (Brazzaville)	-	-	-	-	-	-	-	-	-
Iran	-	-	-	-	-	-	-	-	-
Iraq	-	-	-	-	-	-	-	-	-
Kuwait	-	-	-	-	-	-	-	-	-
Libya	-	-	-	-	-	-	-	-	-
Nigeria	-	-	-	-	-	-	-	-	-
Saudi Arabia	-	-	-	-	-	-	-	-	-
United Arab Emirates	-	-	-	-	-	-	-	-	-
Venezuela	-	-	-	-	-	-	-	-	-
Non-OPEC	-	2	-	2,399	-	-	74	238	312
Argentina	-	-	-	125	-	-	-	-	-
Aruba	-	-	-	-	-	-	-	-	-
Australia	-	-	-	-	-	-	-	-	-
Brazil	-	-	-	-	-	-	-	-	-
Brunei	-	-	-	-	-	-	-	-	-
Canada	-	2	-	-	-	-	74	48	122
China	-	-	-	-	-	-	-	-	-
Colombia	-	-	-	-	-	-	-	-	-
Ecuador	-	-	-	-	-	-	-	-	-
Finland	-	-	-	-	-	-	-	-	-
Germany	-	-	-	-	-	-	-	-	-
Indonesia	-	-	-	-	-	-	-	-	-
Japan	-	-	-	295	-	-	-	-	-
Korea, South	-	-	-	1,979	-	-	-	-	-
Malaysia	-	-	-	-	-	-	-	-	-
Mexico	-	-	-	-	-	-	-	-	-
Netherlands	-	-	-	-	-	-	-	-	-
Oman	-	-	-	-	-	-	-	-	-
Papua New Guinea	-	-	-	-	-	-	-	-	-
Peru	-	-	-	-	-	-	-	-	-
Qatar	-	-	-	-	-	-	-	-	-
Singapore	-	-	-	-	-	-	-	-	-
Sweden	-	-	-	-	-	-	-	-	-
Taiwan	-	-	-	-	-	-	-	-	-
United Kingdom	-	-	-	-	-	-	-	-	-
Vietnam	-	-	-	-	-	-	-	-	-
Virgin Islands, U.S.	-	-	-	-	-	-	-	-	-
Other	-	0	-	0	-	-	0	190	190
Total	-	2	-	2,399	-	-	74	238	312
Persian Gulf <sup>3</sup>	-	-	-	-	-	-	-	-	-

See footnotes at end of table.

**Table 44. PAD District 4 and 5 - Imports of Crude Oil and Petroleum Products by Country of Origin, September 2020**  
(Thousand Barrels) — Continued

Country of Origin	Petrochemical Feedstocks		Waxes	Petroleum Coke	Asphalt and Road Oil	Lubricants	Miscellaneous Products	Total Products	Total Crude Oil and Products	Daily Average		
	Naphtha	Other Oils								Crude Oil	Products	Total
	PAD District 4											
OPEC .....	-	-	-	-	-	-	-	-	-	-	-	-
Algeria .....	-	-	-	-	-	-	-	-	-	-	-	-
Angola .....	-	-	-	-	-	-	-	-	-	-	-	-
Congo (Brazzaville) .....	-	-	-	-	-	-	-	-	-	-	-	-
Iran .....	-	-	-	-	-	-	-	-	-	-	-	-
Iraq .....	-	-	-	-	-	-	-	-	-	-	-	-
Kuwait .....	-	-	-	-	-	-	-	-	-	-	-	-
Libya .....	-	-	-	-	-	-	-	-	-	-	-	-
Nigeria .....	-	-	-	-	-	-	-	-	-	-	-	-
Saudi Arabia .....	-	-	-	-	-	-	-	-	-	-	-	-
United Arab Emirates .....	-	-	-	-	-	-	-	-	-	-	-	-
Venezuela .....	-	-	-	-	-	-	-	-	-	-	-	-
Non-OPEC .....	-	-	-	-	19	-	1	766	9,733	299	26	324
Canada .....	-	-	-	-	19	-	1	766	9,733	299	26	324
Ecuador .....	-	-	-	-	-	-	-	-	-	-	-	-
Qatar .....	-	-	-	-	-	-	-	-	-	-	-	-
Other .....	-	-	-	-	0	-	0	0	0	0	0	0
Total .....	-	-	-	-	19	-	1	766	9,733	299	26	324
	PAD District 5											
OPEC .....	-	-	-	-	-	-	-	26	9,743	324	1	325
Algeria .....	-	-	-	-	-	-	-	-	-	-	-	-
Angola .....	-	-	-	-	-	-	-	-	951	32	-	32
Congo (Brazzaville) .....	-	-	-	-	-	-	-	-	1,896	64	-	64
Iran .....	-	-	-	-	-	-	-	-	-	-	-	-
Iraq .....	-	-	-	-	-	-	-	-	2,500	83	-	83
Kuwait .....	-	-	-	-	-	-	-	-	-	-	-	-
Libya .....	-	-	-	-	-	-	-	-	-	-	-	-
Nigeria .....	-	-	-	-	-	-	-	-	-	-	-	-
Saudi Arabia .....	-	-	-	-	-	-	-	-	5,318	177	-	177
United Arab Emirates .....	-	-	-	-	-	-	-	-	-	-	-	-
Venezuela .....	-	-	-	-	-	-	-	-	-	-	-	-
Non-OPEC .....	43	-	38	-	30	3	-	8,716	27,870	638	291	929
Argentina .....	-	-	-	-	-	-	-	125	1,444	44	4	48
Aruba .....	-	-	-	-	-	-	-	-	-	-	-	-
Australia .....	-	-	-	-	-	-	-	-	-	-	-	-
Brazil .....	-	-	-	-	-	-	-	438	946	17	15	32
Brunei .....	-	-	-	-	-	-	-	-	-	-	-	-
Canada .....	-	-	-	-	30	3	-	2,226	9,666	248	74	322
China .....	-	-	29	-	-	-	-	29	29	-	1	1
Colombia .....	-	-	-	-	-	-	-	-	2,009	67	-	67
Ecuador .....	-	-	-	-	-	-	-	-	5,909	197	-	197
Finland .....	-	-	-	-	-	-	-	-	-	-	-	-
Germany .....	-	-	-	-	-	-	-	-	-	-	-	-
Indonesia .....	-	-	-	-	-	-	-	-	-	-	-	-
Japan .....	-	-	-	-	-	-	-	295	295	-	10	10
Korea, South .....	-	-	-	-	-	-	-	2,375	2,375	-	79	79
Malaysia .....	-	-	-	-	-	-	-	-	-	-	-	-
Mexico .....	-	-	-	-	-	-	-	781	1,779	33	26	59
Netherlands .....	-	-	-	-	-	-	-	356	356	-	12	12
Oman .....	-	-	-	-	-	-	-	-	-	-	-	-
Papua New Guinea .....	-	-	-	-	-	-	-	-	-	-	-	-
Peru .....	-	-	-	-	-	-	-	-	261	9	-	9
Qatar .....	-	-	-	-	-	-	-	-	-	-	-	-
Singapore .....	-	-	-	-	-	-	-	517	517	-	17	17
Sweden .....	-	-	-	-	-	-	-	-	-	-	-	-
Taiwan .....	43	-	9	-	-	-	-	52	52	-	2	2
United Kingdom .....	-	-	-	-	-	-	-	296	296	-	10	10
Vietnam .....	-	-	-	-	-	-	-	-	-	-	-	-
Virgin Islands, U.S. ....	-	-	-	-	-	-	-	-	-	-	-	-
Other .....	0	-	0	-	0	0	-	1,226	1,936	23	41	64
Total .....	43	-	38	-	30	3	-	8,742	37,613	962	291	1,254
Persian Gulf <sup>3</sup> .....	-	-	-	-	-	-	-	-	7,818	261	-	261

-- = Not Applicable.

- = No Data Reported.

<sup>1</sup> Crude oil and unfinished oils are reported by PAD District of processing; all other products are reported by PAD District of Entry.

<sup>2</sup> Includes crude oil imported for storage in the Strategic Petroleum Reserve.

<sup>3</sup> Includes Bahrain, Iran, Iraq, Kuwait, Qatar, Saudi Arabia, and United Arab Emirates.

Note: Totals may not equal sum of components due to independent rounding.

Source: Energy Information Administration (EIA) Form EIA-814, "Monthly Imports Report."

**Table 45. PAD District 1 - Year-to-Date Imports of Crude Oil and Petroleum Products by Country of Origin, January-September 2020**  
(Thousand Barrels)

Country of Origin	Crude Oil <sup>1,2</sup>	Natural Gas Liquids	Refinery Olefins	Unfinished Oils <sup>1</sup>	Finished Motor Gasoline			Motor Gasoline Blending Components		
					Reform-ulated	Conven-tional	Total	Reform-ulated	Conven-tional	Total
<b>OPEC</b> .....	<b>35,788</b>	<b>672</b>	<b>-</b>	<b>1,875</b>	<b>-</b>	<b>920</b>	<b>920</b>	<b>324</b>	<b>4,344</b>	<b>4,668</b>
Algeria .....	-	-	-	796	-	-	-	-	1,524	1,524
Angola .....	1,834	-	-	-	-	-	-	-	633	633
Congo (Brazzaville) .....	-	-	-	-	-	-	-	-	-	-
Equatorial Guinea .....	-	523	-	-	-	-	-	-	-	-
Gabon .....	-	-	-	-	-	-	-	-	-	-
Iran .....	-	-	-	-	-	-	-	-	-	-
Iraq .....	-	-	-	-	-	-	-	-	-	-
Kuwait .....	-	-	-	-	-	-	-	-	-	-
Libya .....	-	-	-	2	-	-	-	-	-	-
Nigeria .....	15,704	-	-	615	-	-	-	-	579	579
Saudi Arabia .....	18,250	-	-	-	-	920	920	324	1,021	1,345
United Arab Emirates .....	-	-	-	462	-	-	-	-	587	587
Venezuela .....	-	-	-	-	-	-	-	-	-	-
<b>Non-OPEC</b> .....	<b>85,749</b>	<b>6,948</b>	<b>2,112</b>	<b>17,286</b>	<b>-</b>	<b>24,730</b>	<b>24,730</b>	<b>43,635</b>	<b>61,080</b>	<b>104,715</b>
Argentina .....	2,626	-	-	-	-	39	39	-	54	54
Aruba .....	-	-	-	-	-	-	-	-	-	-
Australia .....	-	-	-	-	-	-	-	-	-	-
Bahamas .....	-	-	-	-	-	-	-	-	248	248
Bahrain .....	-	-	-	-	-	-	-	-	-	-
Belgium .....	-	-	-	105	-	587	587	1,467	1,941	3,408
Brazil .....	-	-	-	-	-	2,824	2,824	30	3,814	3,844
Brunei .....	-	-	-	-	-	-	-	-	-	-
Cameroon .....	5,149	-	-	-	-	-	-	-	-	-
Canada .....	42,468	5,920	2,112	130	-	3,417	3,417	26,004	6,835	32,839
Chad .....	-	-	-	-	-	-	-	-	-	-
China .....	-	-	-	-	-	-	-	-	-	-
Colombia .....	1,497	-	-	336	-	108	108	-	1,149	1,149
Denmark .....	-	-	-	-	-	6	6	18	25	43
Ecuador .....	-	-	-	181	-	-	-	-	-	-
Egypt .....	1,019	-	-	-	-	250	250	-	-	-
Estonia .....	-	-	-	-	-	-	-	-	-	-
Finland .....	-	-	-	104	-	-	-	63	2,404	2,467
France .....	-	-	-	-	-	3,024	3,024	1,418	35	1,453
Germany .....	-	-	-	282	-	67	67	73	508	581
Guatemala .....	-	-	-	-	-	-	-	-	-	-
India .....	-	-	-	60	-	333	333	60	13,353	13,413
Indonesia .....	-	-	-	-	-	-	-	-	-	-
Italy .....	-	-	-	284	-	105	105	278	2,820	3,098
Korea, South .....	-	-	-	-	-	-	-	273	350	623
Latvia .....	-	-	-	-	-	59	59	-	34	34
Lithuania .....	-	-	-	-	-	101	101	-	34	34
Malaysia .....	-	-	-	-	-	-	-	-	-	-
Mexico .....	7,199	-	-	5,645	-	-	-	506	-	506
Netherlands .....	-	-	-	-	-	3,015	3,015	5,544	7,027	12,571
Norway .....	1,856	794	-	-	-	265	265	151	2,282	2,433
Oman .....	-	-	-	-	-	-	-	-	-	-
Portugal .....	-	-	-	425	-	4,351	4,351	980	1,037	2,017
Qatar .....	-	-	-	-	-	-	-	-	-	-
Russia .....	11,999	-	-	6,001	-	1,565	1,565	507	6,187	6,694
Spain .....	-	-	-	846	-	2,386	2,386	217	3,835	4,052
Sweden .....	-	-	-	852	-	658	658	31	832	863
Syria .....	-	-	-	-	-	-	-	-	-	-
Trinidad and Tobago .....	1,516	-	-	-	-	-	-	-	-	-
United Kingdom .....	2,738	-	-	1,622	-	862	862	6,015	3,931	9,946
Vietnam .....	-	-	-	-	-	-	-	-	-	-
Virgin Islands, U.S. ....	-	-	-	-	-	-	-	-	-	-
Yemen .....	-	-	-	-	-	-	-	-	-	-
Other .....	7,682	234	0	413	-	708	708	0	2,345	2,345
<b>Total</b> .....	<b>121,537</b>	<b>7,620</b>	<b>2,112</b>	<b>19,161</b>	<b>-</b>	<b>25,650</b>	<b>25,650</b>	<b>43,959</b>	<b>65,424</b>	<b>109,383</b>
<b>Persian Gulf<sup>3</sup></b> .....	<b>18,250</b>	<b>149</b>	<b>-</b>	<b>462</b>	<b>-</b>	<b>920</b>	<b>920</b>	<b>324</b>	<b>1,608</b>	<b>1,932</b>

See footnotes at end of table.

**Table 45. PAD District 1 - Year-to-Date Imports of Crude Oil and Petroleum Products by Country of Origin, January-September 2020**  
(Thousand Barrels) — Continued

Country of Origin	Oxygenates		Renewable Fuels				Distillate Fuel Oil				Total
	Methyl Tertiary Butyl Ether (MTBE)	Other Oxygenates	Fuel Ethanol	Biomass-Based Diesel	Other Renewable Diesel	Other Renewable Fuels	15 ppm sulfur and under	Greater than 15 ppm to 500 ppm sulfur	501 to 2000 ppm	Greater than 2000 ppm	
<b>OPEC</b>	--	--	-	-	-	-	584	-	-	-	584
Algeria	--	--	-	-	-	-	-	-	-	-	-
Angola	--	--	-	-	-	-	-	-	-	-	-
Congo (Brazzaville)	--	--	-	-	-	-	-	-	-	-	-
Equatorial Guinea	--	--	-	-	-	-	-	-	-	-	-
Gabon	--	--	-	-	-	-	-	-	-	-	-
Iran	--	--	-	-	-	-	-	-	-	-	-
Iraq	--	--	-	-	-	-	-	-	-	-	-
Kuwait	--	--	-	-	-	-	-	-	-	-	-
Libya	--	--	-	-	-	-	-	-	-	-	-
Nigeria	--	--	-	-	-	-	325	-	-	-	325
Saudi Arabia	--	--	-	-	-	-	259	-	-	-	259
United Arab Emirates	--	--	-	-	-	-	-	-	-	-	-
Venezuela	--	--	-	-	-	-	-	-	-	-	-
<b>Non-OPEC</b>	--	--	-	1,457	-	-	37,142	1,106	263	-	38,511
Argentina	--	--	-	-	-	-	-	-	-	-	-
Aruba	--	--	-	-	-	-	-	-	-	-	-
Australia	--	--	-	-	-	-	-	-	-	-	-
Bahamas	--	--	-	-	-	-	301	-	-	-	301
Bahrain	--	--	-	-	-	-	-	-	-	-	-
Belgium	--	--	-	-	-	-	-	-	-	-	-
Brazil	--	--	-	-	-	-	-	-	-	-	-
Brunei	--	--	-	-	-	-	-	-	-	-	-
Cameroon	--	--	-	-	-	-	-	-	-	-	-
Canada	--	--	-	803	-	-	26,691	325	-	-	27,016
Chad	--	--	-	-	-	-	-	-	-	-	-
China	--	--	-	-	-	-	-	-	-	-	-
Colombia	--	--	-	-	-	-	4,845	-	-	-	4,845
Denmark	--	--	-	-	-	-	-	-	-	-	-
Ecuador	--	--	-	-	-	-	-	-	-	-	-
Egypt	--	--	-	-	-	-	-	-	-	-	-
Estonia	--	--	-	-	-	-	-	-	-	-	-
Finland	--	--	-	-	-	-	-	-	-	-	-
France	--	--	-	-	-	-	-	-	-	-	-
Germany	--	--	-	633	-	-	-	-	-	-	-
Guatemala	--	--	-	-	-	-	-	-	-	-	-
India	--	--	-	-	-	-	1,132	781	-	-	1,913
Indonesia	--	--	-	-	-	-	500	-	-	-	500
Italy	--	--	-	-	-	-	303	-	-	-	303
Korea, South	--	--	-	21	-	-	1,018	-	-	-	1,018
Latvia	--	--	-	-	-	-	-	-	-	-	-
Lithuania	--	--	-	-	-	-	-	-	-	-	-
Malaysia	--	--	-	-	-	-	109	-	-	-	109
Mexico	--	--	-	-	-	-	-	-	-	-	-
Netherlands	--	--	-	-	-	-	-	-	263	-	263
Norway	--	--	-	-	-	-	-	-	-	-	-
Oman	--	--	-	-	-	-	-	-	-	-	-
Portugal	--	--	-	-	-	-	-	-	-	-	-
Qatar	--	--	-	-	-	-	819	-	-	-	819
Russia	--	--	-	-	-	-	784	-	-	-	784
Spain	--	--	-	-	-	-	640	-	-	-	640
Sweden	--	--	-	-	-	-	-	-	-	-	-
Syria	--	--	-	-	-	-	-	-	-	-	-
Trinidad and Tobago	--	--	-	-	-	-	-	-	-	-	-
United Kingdom	--	--	-	-	-	-	-	-	-	-	-
Vietnam	--	--	-	-	-	-	-	-	-	-	-
Virgin Islands, U.S.	--	--	-	-	-	-	-	-	-	-	-
Yemen	--	--	-	-	-	-	-	-	-	-	-
Other	--	--	-	0	-	-	0	0	0	-	0
<b>Total</b>	--	--	-	1,457	-	-	37,726	1,106	263	-	39,095
<b>Persian Gulf<sup>3</sup></b>	--	--	-	-	-	-	1,078	-	-	-	1,078

See footnotes at end of table.

**Table 45. PAD District 1 - Year-to-Date Imports of Crude Oil and Petroleum Products by Country of Origin, January-September 2020**  
(Thousand Barrels) — Continued

Country of Origin	Kerosene	Finished Aviation Gasoline	Aviation Gasoline Blending Components	Kerosene-Type Jet Fuel	Special Naphthas	Residual Fuel Oil			
						Less than 0.31 % sulfur	0.31 to 1.00 % sulfur	Greater than 1.00 % sulfur	Total
<b>OPEC</b>	—	—	—	2,575	—	11	266	—	277
Algeria	—	—	—	295	—	11	210	—	221
Angola	—	—	—	—	—	—	—	—	—
Congo (Brazzaville)	—	—	—	—	—	—	4	—	4
Equatorial Guinea	—	—	—	—	—	—	—	—	—
Gabon	—	—	—	—	—	—	—	—	—
Iran	—	—	—	—	—	—	—	—	—
Iraq	—	—	—	42	—	—	—	—	—
Kuwait	—	—	—	1,398	—	—	—	—	—
Libya	—	—	—	—	—	—	—	—	—
Nigeria	—	—	—	—	—	—	52	—	52
Saudi Arabia	—	—	—	840	—	—	—	—	—
United Arab Emirates	—	—	—	—	—	—	—	—	—
Venezuela	—	—	—	—	—	—	—	—	—
<b>Non-OPEC</b>	—	37	—	9,786	11	1,094	5,548	5,867	12,509
Argentina	—	—	—	—	—	314	294	—	608
Aruba	—	—	—	—	—	—	—	—	—
Australia	—	—	—	—	—	—	—	—	—
Bahamas	—	—	—	—	—	—	174	91	265
Bahrain	—	—	—	—	—	—	—	—	—
Belgium	—	—	—	—	—	—	104	—	104
Brazil	—	—	—	—	—	35	124	37	196
Brunei	—	—	—	—	—	—	—	—	—
Cameroon	—	—	—	—	—	—	—	—	—
Canada	—	9	—	1,818	11	683	406	2,586	3,675
Chad	—	—	—	—	—	—	—	—	—
China	—	—	—	—	—	—	—	—	—
Colombia	—	—	—	206	—	6	33	440	479
Denmark	—	—	—	—	—	—	471	—	471
Ecuador	—	—	—	15	—	—	—	—	—
Egypt	—	—	—	—	—	—	—	—	—
Estonia	—	—	—	—	—	—	—	—	—
Finland	—	—	—	—	—	—	149	—	149
France	—	—	—	—	—	—	—	—	—
Germany	—	—	—	—	—	—	139	—	139
Guatemala	—	—	—	—	—	—	—	—	—
India	—	—	—	2,699	—	—	—	—	—
Indonesia	—	—	—	—	—	—	—	—	—
Italy	—	—	—	529	—	—	36	—	36
Korea, South	—	—	—	2,479	—	—	—	—	—
Latvia	—	—	—	—	—	—	—	—	—
Lithuania	—	—	—	—	—	—	—	83	83
Malaysia	—	—	—	—	—	—	—	—	—
Mexico	—	—	—	79	—	35	215	1,361	1,611
Netherlands	—	28	—	—	—	—	854	773	1,627
Norway	—	—	—	—	—	—	—	—	—
Oman	—	—	—	—	—	—	—	—	—
Portugal	—	—	—	—	—	—	495	—	495
Qatar	—	—	—	992	—	—	—	—	—
Russia	—	—	—	—	—	18	220	145	383
Spain	—	—	—	—	—	—	—	—	—
Sweden	—	—	—	—	—	—	797	—	797
Syria	—	—	—	—	—	—	—	—	—
Trinidad and Tobago	—	—	—	100	—	—	—	—	—
United Kingdom	—	—	—	284	—	—	692	—	692
Vietnam	—	—	—	—	—	—	—	—	—
Virgin Islands, U.S.	—	—	—	—	—	—	—	—	—
Yemen	—	—	—	—	—	—	—	—	—
Other	—	0	—	585	0	3	345	351	699
<b>Total</b>	—	37	—	12,361	11	1,105	5,814	5,867	12,786
<b>Persian Gulf<sup>§</sup></b>	—	—	—	3,272	—	—	—	—	—

See footnotes at end of table.



**Table 45. PAD District 1 - Year-to-Date Imports of Crude Oil and Petroleum Products by Country of Origin, January-September 2020**  
(Thousand Barrels) — Continued

Country of Origin	Petrochemical Feedstocks		Waxes	Petroleum Coke	Asphalt and Road Oil	Lubricants	Miscellaneous Products	Total Products	Total Crude Oil and Products	Daily Average		
	Naphtha	Other Oils								Crude Oil	Products	Total
<b>OPEC</b>	—	—	—	—	—	122	—	11,693	47,481	131	43	173
Algeria	—	—	—	—	—	—	—	2,836	2,836	—	10	10
Angola	—	—	—	—	—	—	—	633	2,467	7	2	9
Congo (Brazzaville)	—	—	—	—	—	—	—	4	4	—	0	0
Equatorial Guinea	—	—	—	—	—	—	—	523	523	—	2	2
Gabon	—	—	—	—	—	—	—	—	—	—	—	—
Iran	—	—	—	—	—	—	—	—	—	—	—	—
Iraq	—	—	—	—	—	—	—	42	42	—	0	0
Kuwait	—	—	—	—	—	—	—	1,398	1,398	—	5	5
Libya	—	—	—	—	—	—	—	2	2	—	0	0
Nigeria	—	—	—	—	—	—	—	1,571	17,275	57	6	63
Saudi Arabia	—	—	—	—	—	—	—	3,364	21,614	67	12	79
United Arab Emirates	—	—	—	—	—	122	—	1,320	1,320	—	5	5
Venezuela	—	—	—	—	—	—	—	—	—	—	—	—
<b>Non-OPEC</b>	870	7	639	22	7,795	1,013	—	228,448	314,197	313	834	1,147
Argentina	—	—	—	—	—	1	—	702	3,328	10	3	12
Aruba	—	—	—	—	—	—	—	—	—	—	—	—
Australia	—	—	—	—	—	—	—	—	—	—	—	—
Bahamas	—	—	—	—	—	—	—	814	814	—	3	3
Bahrain	—	—	—	—	—	23	—	23	23	—	0	0
Belgium	8	—	—	—	—	80	—	4,292	4,292	—	16	16
Brazil	—	—	—	1	—	—	—	6,865	6,865	—	25	25
Brunei	—	—	—	—	—	—	—	—	—	—	—	—
Cameroon	—	—	—	—	—	—	—	—	5,149	19	—	19
Canada	—	7	460	2	6,059	649	—	84,927	127,395	155	310	465
Chad	—	—	—	—	—	—	—	—	—	—	—	—
China	—	—	73	—	—	—	—	73	73	—	0	0
Colombia	—	—	—	—	330	—	—	7,453	8,950	5	27	33
Denmark	—	—	—	—	—	—	—	520	520	—	2	2
Ecuador	—	—	—	—	—	—	—	196	196	—	1	1
Egypt	—	—	—	—	—	—	—	250	1,269	4	1	5
Estonia	—	—	—	—	—	—	—	—	—	—	—	—
Finland	—	—	—	—	—	—	—	2,720	2,720	—	10	10
France	3	—	—	—	—	43	—	4,523	4,523	—	17	17
Germany	—	—	15	—	—	82	—	1,799	1,799	—	7	7
Guatemala	—	—	—	—	—	—	—	—	—	—	—	—
India	—	—	—	—	—	—	—	18,418	18,418	—	67	67
Indonesia	—	—	—	—	—	—	—	500	500	—	2	2
Italy	—	—	—	—	141	10	—	4,506	4,506	—	16	16
Korea, South	—	—	7	—	—	91	—	4,239	4,239	—	15	15
Latvia	—	—	—	—	—	—	—	93	93	—	0	0
Lithuania	—	—	—	—	—	—	—	218	218	—	1	1
Malaysia	—	—	—	—	—	—	—	109	109	—	0	0
Mexico	—	—	—	—	—	—	—	7,841	15,040	26	29	55
Netherlands	846	—	—	—	—	8	—	18,358	18,358	—	67	67
Norway	1	—	—	—	—	—	—	3,493	5,349	7	13	20
Oman	—	—	—	—	—	—	—	—	—	—	—	—
Portugal	—	—	—	—	—	—	—	7,288	7,288	—	27	27
Qatar	—	—	—	—	—	—	—	1,811	1,811	—	7	7
Russia	—	—	—	—	—	23	—	15,450	27,449	44	56	100
Spain	—	—	10	—	422	—	—	8,356	8,356	—	30	30
Sweden	—	—	—	16	—	2	—	3,188	3,188	—	12	12
Syria	—	—	—	—	—	—	—	—	—	—	—	—
Trinidad and Tobago	—	—	—	—	—	—	—	100	1,616	6	0	6
United Kingdom	12	—	—	—	—	—	—	13,652	16,390	10	50	60
Vietnam	—	—	—	—	—	—	—	—	—	—	—	—
Virgin Islands, U.S.	—	—	—	—	—	—	—	—	—	—	—	—
Yemen	—	—	—	—	—	—	—	—	—	—	—	—
Other	0	0	74	3	843	1	—	5,671	13,353	27	20	47
<b>Total</b>	870	7	639	22	7,795	1,135	—	240,141	361,678	444	876	1,320
<b>Persian Gulf<sup>3</sup></b>	—	—	—	—	—	145	—	7,958	26,208	67	29	96

— = Not Applicable.

1 = No Data Reported.

2 Crude oil and unfinished oils are reported by PAD District of processing; all other products are reported by PAD District of Entry.

3 Includes crude oil imported for storage in the Strategic Petroleum Reserve.

4 Includes Bahrain, Iran, Iraq, Kuwait, Qatar, Saudi Arabia, and United Arab Emirates.

Note: Totals may not equal sum of components due to independent rounding.

Source: Energy Information Administration (EIA) Form EIA-814, "Monthly Imports Report."

**Table 46. PAD District 2 - Year-to-Date Imports of Crude Oil and Petroleum Products by Country of Origin, January-September 2020**  
(Thousand Barrels)

Country of Origin	Crude Oil <sup>1,2</sup>	Natural Gas Liquids	Refinery Olefins	Unfinished Oils <sup>1</sup>	Finished Motor Gasoline			Motor Gasoline Blending Components		
					Reformulated	Conventional	Total	Reformulated	Conventional	Total
<b>OPEC</b> .....	-	-	-	-	-	-	-	-	-	-
Algeria .....	-	-	-	-	-	-	-	-	-	-
Angola .....	-	-	-	-	-	-	-	-	-	-
Congo (Brazzaville) .....	-	-	-	-	-	-	-	-	-	-
Equatorial Guinea .....	-	-	-	-	-	-	-	-	-	-
Gabon .....	-	-	-	-	-	-	-	-	-	-
Iran .....	-	-	-	-	-	-	-	-	-	-
Iraq .....	-	-	-	-	-	-	-	-	-	-
Kuwait .....	-	-	-	-	-	-	-	-	-	-
Libya .....	-	-	-	-	-	-	-	-	-	-
Nigeria .....	-	-	-	-	-	-	-	-	-	-
Saudi Arabia .....	-	-	-	-	-	-	-	-	-	-
United Arab Emirates .....	-	-	-	-	-	-	-	-	-	-
Venezuela .....	-	-	-	-	-	-	-	-	-	-
<b>Non-OPEC</b> .....	<b>660,284</b>	<b>14,173</b>	<b>1,826</b>	<b>168</b>	<b>-</b>	<b>37</b>	<b>37</b>	<b>-</b>	<b>2,096</b>	<b>2,096</b>
Argentina .....	-	-	-	-	-	-	-	-	-	-
Aruba .....	-	-	-	-	-	-	-	-	-	-
Australia .....	-	-	-	-	-	-	-	-	-	-
Bahamas .....	-	-	-	-	-	-	-	-	-	-
Bahrain .....	-	-	-	-	-	-	-	-	-	-
Belgium .....	-	-	-	-	-	-	-	-	-	-
Brazil .....	-	-	-	-	-	-	-	-	-	-
Brunei .....	-	-	-	-	-	-	-	-	-	-
Cameroon .....	-	-	-	-	-	-	-	-	-	-
Canada .....	659,307	14,173	1,826	168	-	37	37	-	2,096	2,096
Chad .....	-	-	-	-	-	-	-	-	-	-
China .....	-	-	-	-	-	-	-	-	-	-
Colombia .....	500	-	-	-	-	-	-	-	-	-
Denmark .....	-	-	-	-	-	-	-	-	-	-
Ecuador .....	-	-	-	-	-	-	-	-	-	-
Egypt .....	-	-	-	-	-	-	-	-	-	-
Estonia .....	-	-	-	-	-	-	-	-	-	-
Finland .....	-	-	-	-	-	-	-	-	-	-
France .....	-	-	-	-	-	-	-	-	-	-
Germany .....	-	-	-	-	-	-	-	-	-	-
Guatemala .....	-	-	-	-	-	-	-	-	-	-
India .....	-	-	-	-	-	-	-	-	-	-
Indonesia .....	-	-	-	-	-	-	-	-	-	-
Italy .....	-	-	-	-	-	-	-	-	-	-
Korea, South .....	-	-	-	-	-	-	-	-	-	-
Latvia .....	-	-	-	-	-	-	-	-	-	-
Lithuania .....	-	-	-	-	-	-	-	-	-	-
Malaysia .....	-	-	-	-	-	-	-	-	-	-
Mexico .....	477	-	-	-	-	-	-	-	-	-
Netherlands .....	-	-	-	-	-	-	-	-	-	-
Norway .....	-	-	-	-	-	-	-	-	-	-
Oman .....	-	-	-	-	-	-	-	-	-	-
Portugal .....	-	-	-	-	-	-	-	-	-	-
Qatar .....	-	-	-	-	-	-	-	-	-	-
Russia .....	-	-	-	-	-	-	-	-	-	-
Spain .....	-	-	-	-	-	-	-	-	-	-
Sweden .....	-	-	-	-	-	-	-	-	-	-
Syria .....	-	-	-	-	-	-	-	-	-	-
Trinidad and Tobago .....	-	-	-	-	-	-	-	-	-	-
United Kingdom .....	-	-	-	-	-	-	-	-	-	-
Vietnam .....	-	-	-	-	-	-	-	-	-	-
Virgin Islands, U.S. ....	-	-	-	-	-	-	-	-	-	-
Yemen .....	-	-	-	-	-	-	-	-	-	-
Other .....	0	0	0	0	-	0	0	-	0	0
<b>Total</b> .....	<b>660,284</b>	<b>14,173</b>	<b>1,826</b>	<b>168</b>	<b>-</b>	<b>37</b>	<b>37</b>	<b>-</b>	<b>2,096</b>	<b>2,096</b>
<b>Persian Gulf<sup>3</sup></b> .....	<b>-</b>	<b>-</b>	<b>-</b>	<b>-</b>	<b>-</b>	<b>-</b>	<b>-</b>	<b>-</b>	<b>-</b>	<b>-</b>

See footnotes at end of table.

**Table 46. PAD District 2 - Year-to-Date Imports of Crude Oil and Petroleum Products by Country of Origin, January-September 2020**  
(Thousand Barrels) — Continued

Country of Origin	Oxygenates		Renewable Fuels				Distillate Fuel Oil				Total
	Methyl Tertiary Butyl Ether (MTBE)	Other Oxygenates	Fuel Ethanol	Biomass-Based Diesel	Other Renewable Diesel	Other Renewable Fuels	15 ppm sulfur and under	Greater than 15 ppm to 500 ppm sulfur	501 to 2000 ppm	Greater than 2000 ppm	
<b>OPEC</b>	--	--	-	-	-	-	-	-	-	-	-
Algeria	--	--	-	-	-	-	-	-	-	-	-
Angola	--	--	-	-	-	-	-	-	-	-	-
Congo (Brazzaville)	--	--	-	-	-	-	-	-	-	-	-
Equatorial Guinea	--	--	-	-	-	-	-	-	-	-	-
Gabon	--	--	-	-	-	-	-	-	-	-	-
Iran	--	--	-	-	-	-	-	-	-	-	-
Iraq	--	--	-	-	-	-	-	-	-	-	-
Kuwait	--	--	-	-	-	-	-	-	-	-	-
Libya	--	--	-	-	-	-	-	-	-	-	-
Nigeria	--	--	-	-	-	-	-	-	-	-	-
Saudi Arabia	--	--	-	-	-	-	-	-	-	-	-
United Arab Emirates	--	--	-	-	-	-	-	-	-	-	-
Venezuela	--	--	-	-	-	-	-	-	-	-	-
<b>Non-OPEC</b>	--	--	-	911	-	-	1,766	-	93	-	1,859
Argentina	--	--	-	-	-	-	-	-	-	-	-
Aruba	--	--	-	-	-	-	-	-	-	-	-
Australia	--	--	-	-	-	-	-	-	-	-	-
Bahamas	--	--	-	-	-	-	-	-	-	-	-
Bahrain	--	--	-	-	-	-	-	-	-	-	-
Belgium	--	--	-	-	-	-	-	-	-	-	-
Brazil	--	--	-	-	-	-	-	-	-	-	-
Brunei	--	--	-	-	-	-	-	-	-	-	-
Cameroon	--	--	-	-	-	-	-	-	-	-	-
Canada	--	--	-	911	-	-	1,682	-	93	-	1,775
Chad	--	--	-	-	-	-	-	-	-	-	-
China	--	--	-	-	-	-	-	-	-	-	-
Colombia	--	--	-	-	-	-	-	-	-	-	-
Denmark	--	--	-	-	-	-	-	-	-	-	-
Ecuador	--	--	-	-	-	-	-	-	-	-	-
Egypt	--	--	-	-	-	-	-	-	-	-	-
Estonia	--	--	-	-	-	-	-	-	-	-	-
Finland	--	--	-	-	-	-	-	-	-	-	-
France	--	--	-	-	-	-	-	-	-	-	-
Germany	--	--	-	-	-	-	-	-	-	-	-
Guatemala	--	--	-	-	-	-	-	-	-	-	-
India	--	--	-	-	-	-	-	-	-	-	-
Indonesia	--	--	-	-	-	-	-	-	-	-	-
Italy	--	--	-	-	-	-	-	-	-	-	-
Korea, South	--	--	-	-	-	-	-	-	-	-	-
Latvia	--	--	-	-	-	-	-	-	-	-	-
Lithuania	--	--	-	-	-	-	-	-	-	-	-
Malaysia	--	--	-	-	-	-	-	-	-	-	-
Mexico	--	--	-	-	-	-	-	-	-	-	-
Netherlands	--	--	-	-	-	-	-	-	-	-	-
Norway	--	--	-	-	-	-	-	-	-	-	-
Oman	--	--	-	-	-	-	-	-	-	-	-
Portugal	--	--	-	-	-	-	-	-	-	-	-
Qatar	--	--	-	-	-	-	-	-	-	-	-
Russia	--	--	-	-	-	-	-	-	-	-	-
Spain	--	--	-	-	-	-	-	-	-	-	-
Sweden	--	--	-	-	-	-	-	-	-	-	-
Syria	--	--	-	-	-	-	-	-	-	-	-
Trinidad and Tobago	--	--	-	-	-	-	-	-	-	-	-
United Kingdom	--	--	-	-	-	-	-	-	-	-	-
Vietnam	--	--	-	-	-	-	-	-	-	-	-
Virgin Islands, U.S.	--	--	-	-	-	-	-	-	-	-	-
Yemen	--	--	-	-	-	-	-	-	-	-	-
Other	--	--	-	0	-	-	84	-	0	-	84
<b>Total</b>	--	--	-	911	-	-	1,766	-	93	-	1,859
<b>Persian Gulf<sup>3</sup></b>	--	--	-	-	-	-	-	-	-	-	-

See footnotes at end of table.

**Table 46. PAD District 2 - Year-to-Date Imports of Crude Oil and Petroleum Products by Country of Origin, January-September 2020**  
(Thousand Barrels) — Continued

Country of Origin	Kerosene	Finished Aviation Gasoline	Aviation Gasoline Blending Components	Kerosene-Type Jet Fuel	Special Naphthas	Residual Fuel Oil			
						Less than 0.31 % sulfur	0.31 to 1.00 % sulfur	Greater than 1.00 % sulfur	Total
<b>OPEC</b> .....	-	-	-	-	-	-	-	-	-
Algeria .....	-	-	-	-	-	-	-	-	-
Angola .....	-	-	-	-	-	-	-	-	-
Congo (Brazzaville) .....	-	-	-	-	-	-	-	-	-
Equatorial Guinea .....	-	-	-	-	-	-	-	-	-
Gabon .....	-	-	-	-	-	-	-	-	-
Iran .....	-	-	-	-	-	-	-	-	-
Iraq .....	-	-	-	-	-	-	-	-	-
Kuwait .....	-	-	-	-	-	-	-	-	-
Libya .....	-	-	-	-	-	-	-	-	-
Nigeria .....	-	-	-	-	-	-	-	-	-
Saudi Arabia .....	-	-	-	-	-	-	-	-	-
United Arab Emirates .....	-	-	-	-	-	-	-	-	-
Venezuela .....	-	-	-	-	-	-	-	-	-
<b>Non-OPEC</b> .....	-	32	-	-	57	-	379	421	800
Argentina .....	-	-	-	-	-	-	-	-	-
Aruba .....	-	-	-	-	-	-	-	-	-
Australia .....	-	-	-	-	-	-	-	-	-
Bahamas .....	-	-	-	-	-	-	-	-	-
Bahrain .....	-	-	-	-	-	-	-	-	-
Belgium .....	-	-	-	-	-	-	-	-	-
Brazil .....	-	-	-	-	-	-	-	-	-
Brunei .....	-	-	-	-	-	-	-	-	-
Cameroon .....	-	-	-	-	-	-	-	-	-
Canada .....	-	32	-	-	57	-	379	421	800
Chad .....	-	-	-	-	-	-	-	-	-
China .....	-	-	-	-	-	-	-	-	-
Colombia .....	-	-	-	-	-	-	-	-	-
Denmark .....	-	-	-	-	-	-	-	-	-
Ecuador .....	-	-	-	-	-	-	-	-	-
Egypt .....	-	-	-	-	-	-	-	-	-
Estonia .....	-	-	-	-	-	-	-	-	-
Finland .....	-	-	-	-	-	-	-	-	-
France .....	-	-	-	-	-	-	-	-	-
Germany .....	-	-	-	-	-	-	-	-	-
Guatemala .....	-	-	-	-	-	-	-	-	-
India .....	-	-	-	-	-	-	-	-	-
Indonesia .....	-	-	-	-	-	-	-	-	-
Italy .....	-	-	-	-	-	-	-	-	-
Korea, South .....	-	-	-	-	-	-	-	-	-
Latvia .....	-	-	-	-	-	-	-	-	-
Lithuania .....	-	-	-	-	-	-	-	-	-
Malaysia .....	-	-	-	-	-	-	-	-	-
Mexico .....	-	-	-	-	-	-	-	-	-
Netherlands .....	-	-	-	-	-	-	-	-	-
Norway .....	-	-	-	-	-	-	-	-	-
Oman .....	-	-	-	-	-	-	-	-	-
Portugal .....	-	-	-	-	-	-	-	-	-
Qatar .....	-	-	-	-	-	-	-	-	-
Russia .....	-	-	-	-	-	-	-	-	-
Spain .....	-	-	-	-	-	-	-	-	-
Sweden .....	-	-	-	-	-	-	-	-	-
Syria .....	-	-	-	-	-	-	-	-	-
Trinidad and Tobago .....	-	-	-	-	-	-	-	-	-
United Kingdom .....	-	-	-	-	-	-	-	-	-
Vietnam .....	-	-	-	-	-	-	-	-	-
Virgin Islands, U.S. ....	-	-	-	-	-	-	-	-	-
Yemen .....	-	-	-	-	-	-	-	-	-
Other .....	-	0	-	-	0	-	0	0	0
<b>Total</b> .....	-	32	-	-	57	-	379	421	800
<b>Persian Gulf<sup>6</sup></b> .....	-	-	-	-	-	-	-	-	-

See footnotes at end of table.

**Table 46. PAD District 2 - Year-to-Date Imports of Crude Oil and Petroleum Products by Country of Origin, January-September 2020**  
(Thousand Barrels) — Continued

Country of Origin	Petrochemical Feedstocks		Waxes	Petroleum Coke	Asphalt and Road Oil	Lubricants	Miscellaneous Products	Total Products	Total Crude Oil and Products	Daily Average		
	Naphtha	Other Oils								Crude Oil	Products	Total
<b>OPEC</b> .....	-	-	-	-	-	-	-	-	-	-	-	-
Algeria .....	-	-	-	-	-	-	-	-	-	-	-	-
Angola .....	-	-	-	-	-	-	-	-	-	-	-	-
Congo (Brazzaville) .....	-	-	-	-	-	-	-	-	-	-	-	-
Equatorial Guinea .....	-	-	-	-	-	-	-	-	-	-	-	-
Gabon .....	-	-	-	-	-	-	-	-	-	-	-	-
Iran .....	-	-	-	-	-	-	-	-	-	-	-	-
Iraq .....	-	-	-	-	-	-	-	-	-	-	-	-
Kuwait .....	-	-	-	-	-	-	-	-	-	-	-	-
Libya .....	-	-	-	-	-	-	-	-	-	-	-	-
Nigeria .....	-	-	-	-	-	-	-	-	-	-	-	-
Saudi Arabia .....	-	-	-	-	-	-	-	-	-	-	-	-
United Arab Emirates .....	-	-	-	-	-	-	-	-	-	-	-	-
Venezuela .....	-	-	-	-	-	-	-	-	-	-	-	-
<b>Non-OPEC</b> .....	<b>748</b>	<b>623</b>	<b>117</b>	<b>215</b>	<b>3,789</b>	<b>1,114</b>	<b>-</b>	<b>28,565</b>	<b>688,849</b>	<b>2,410</b>	<b>104</b>	<b>2,514</b>
Argentina .....	-	-	-	-	-	-	-	-	-	-	-	-
Aruba .....	-	-	-	-	-	-	-	-	-	-	-	-
Australia .....	-	-	-	-	-	-	-	-	-	-	-	-
Bahamas .....	-	-	-	-	-	-	-	-	-	-	-	-
Bahrain .....	-	-	-	-	-	-	-	-	-	-	-	-
Belgium .....	-	-	-	-	-	2	-	2	2	-	0	0
Brazil .....	-	-	-	-	-	-	-	-	-	-	-	-
Brunei .....	-	-	-	-	-	-	-	-	-	-	-	-
Cameroon .....	-	-	-	-	-	-	-	-	-	-	-	-
Canada .....	748	623	85	212	3,789	1,094	-	28,426	687,733	2,406	104	2,510
Chad .....	-	-	-	-	-	-	-	-	-	-	-	-
China .....	-	-	18	-	-	-	-	18	18	-	0	0
Colombia .....	-	-	-	-	-	-	-	-	500	2	-	2
Denmark .....	-	-	-	-	-	-	-	-	-	-	-	-
Ecuador .....	-	-	-	-	-	-	-	-	-	-	-	-
Egypt .....	-	-	-	-	-	-	-	-	-	-	-	-
Estonia .....	-	-	-	-	-	-	-	-	-	-	-	-
Finland .....	-	-	-	-	-	12	-	12	12	-	0	0
France .....	-	-	-	-	-	-	-	-	-	-	-	-
Germany .....	-	-	-	-	-	2	-	2	2	-	0	0
Guatemala .....	-	-	-	-	-	-	-	-	-	-	-	-
India .....	-	-	-	-	-	-	-	-	-	-	-	-
Indonesia .....	-	-	-	-	-	-	-	-	-	-	-	-
Italy .....	-	-	-	-	-	-	-	-	-	-	-	-
Korea, South .....	-	-	-	-	-	-	-	-	-	-	-	-
Latvia .....	-	-	-	-	-	-	-	-	-	-	-	-
Lithuania .....	-	-	-	-	-	-	-	-	-	-	-	-
Malaysia .....	-	-	-	-	-	-	-	-	-	-	-	-
Mexico .....	-	-	-	-	-	-	-	-	477	2	-	2
Netherlands .....	-	-	-	-	-	-	-	-	-	-	-	-
Norway .....	-	-	-	-	-	-	-	-	-	-	-	-
Oman .....	-	-	-	-	-	-	-	-	-	-	-	-
Portugal .....	-	-	-	-	-	-	-	-	-	-	-	-
Qatar .....	-	-	-	-	-	-	-	-	-	-	-	-
Russia .....	-	-	-	-	-	-	-	-	-	-	-	-
Spain .....	-	-	-	-	-	-	-	-	-	-	-	-
Sweden .....	-	-	-	3	-	3	-	6	6	-	0	0
Syria .....	-	-	-	-	-	-	-	-	-	-	-	-
Trinidad and Tobago .....	-	-	-	-	-	-	-	-	-	-	-	-
United Kingdom .....	-	-	-	-	-	-	-	-	-	-	-	-
Vietnam .....	-	-	-	-	-	-	-	-	-	-	-	-
Virgin Islands, U.S. ....	-	-	-	-	-	-	-	-	-	-	-	-
Yemen .....	-	-	-	-	-	-	-	-	-	-	-	-
Other .....	0	0	14	0	0	1	-	99	99	0	0	0
<b>Total</b> .....	<b>748</b>	<b>623</b>	<b>117</b>	<b>215</b>	<b>3,789</b>	<b>1,114</b>	<b>-</b>	<b>28,565</b>	<b>688,849</b>	<b>2,410</b>	<b>104</b>	<b>2,514</b>
<b>Persian Gulf<sup>3</sup></b> .....	<b>-</b>	<b>-</b>	<b>-</b>	<b>-</b>	<b>-</b>	<b>-</b>	<b>-</b>	<b>-</b>	<b>-</b>	<b>-</b>	<b>-</b>	<b>-</b>

-- = Not Applicable.

- = No Data Reported.

<sup>1</sup> Crude oil and unfinished oils are reported by PAD District of processing; all other products are reported by PAD District of Entry.

<sup>2</sup> Includes crude oil imported for storage in the Strategic Petroleum Reserve.

<sup>3</sup> Includes Bahrain, Iran, Iraq, Kuwait, Qatar, Saudi Arabia, and United Arab Emirates.

Note: Totals may not equal sum of components due to independent rounding.

Source: Energy Information Administration (EIA) Form EIA-814, "Monthly Imports Report."

**Table 47. PAD District 3 - Year-to-Date Imports of Crude Oil and Petroleum Products by Country of Origin, January-September 2020**  
(Thousand Barrels)

Country of Origin	Crude Oil <sup>1,2</sup>	Natural Gas Liquids	Refinery Olefins	Unfinished Oils <sup>1</sup>	Finished Motor Gasoline			Motor Gasoline Blending Components		
					Reformulated	Conventional	Total	Reformulated	Conventional	Total
<b>OPEC</b>	<b>117,712</b>	<b>-</b>	<b>-</b>	<b>2,026</b>	<b>-</b>	<b>-</b>	<b>-</b>	<b>-</b>	<b>-</b>	<b>-</b>
Algeria	-	-	-	102	-	-	-	-	-	-
Angola	-	-	-	-	-	-	-	-	-	-
Congo (Brazzaville)	-	-	-	-	-	-	-	-	-	-
Equatorial Guinea	-	-	-	-	-	-	-	-	-	-
Gabon	-	-	-	-	-	-	-	-	-	-
Iran	-	-	-	-	-	-	-	-	-	-
Iraq	15,659	-	-	-	-	-	-	-	-	-
Kuwait	2,639	-	-	717	-	-	-	-	-	-
Libya	-	-	-	1	-	-	-	-	-	-
Nigeria	-	-	-	-	-	-	-	-	-	-
Saudi Arabia	99,414	-	-	1,206	-	-	-	-	-	-
United Arab Emirates	-	-	-	-	-	-	-	-	-	-
Venezuela	-	-	-	-	-	-	-	-	-	-
<b>Non-OPEC</b>	<b>393,965</b>	<b>35</b>	<b>131</b>	<b>121,413</b>	<b>-</b>	<b>189</b>	<b>189</b>	<b>-</b>	<b>12,060</b>	<b>12,060</b>
Argentina	1,426	-	-	11	-	89	89	-	220	220
Aruba	-	-	-	-	-	-	-	-	-	-
Australia	-	-	-	-	-	-	-	-	-	-
Bahamas	1,007	-	-	-	-	-	-	-	-	-
Bahrain	-	-	-	-	-	-	-	-	-	-
Belgium	-	-	-	3,116	-	-	-	-	221	221
Brazil	10,576	-	-	23	-	-	-	-	2,549	2,549
Brunei	-	-	-	-	-	-	-	-	-	-
Cameroon	622	-	-	-	-	-	-	-	-	-
Canada	127,521	-	-	795	-	-	-	-	-	-
Chad	-	-	-	-	-	-	-	-	-	-
China	-	-	-	-	-	-	-	-	-	-
Colombia	58,472	-	-	1,500	-	-	-	-	-	-
Denmark	-	-	-	3	-	-	-	-	-	-
Ecuador	6,133	-	-	3,157	-	-	-	-	-	-
Egypt	-	-	-	4,541	-	-	-	-	-	-
Estonia	-	-	-	-	-	-	-	-	-	-
Finland	-	-	-	52	-	14	14	-	792	792
France	-	-	-	-	-	-	-	-	-	-
Germany	-	-	-	302	-	-	-	-	55	55
Guatemala	1,113	-	-	-	-	-	-	-	-	-
India	-	-	-	-	-	-	-	-	2,978	2,978
Indonesia	-	-	-	-	-	-	-	-	-	-
Italy	346	-	-	1,778	-	-	-	-	1,260	1,260
Korea, South	-	-	-	-	-	-	-	-	309	309
Latvia	-	-	-	-	-	-	-	-	-	-
Lithuania	-	-	-	-	-	-	-	-	324	324
Malaysia	-	-	-	996	-	-	-	-	-	-
Mexico	172,801	-	131	3,159	-	-	-	-	839	839
Netherlands	-	-	-	1,356	-	-	-	-	193	193
Norway	-	-	-	600	-	-	-	-	-	-
Oman	-	-	-	-	-	-	-	-	-	-
Portugal	-	-	-	-	-	-	-	-	88	88
Qatar	-	-	-	-	-	-	-	-	-	-
Russia	2,400	-	-	95,019	-	55	55	-	393	393
Spain	-	-	-	234	-	-	-	-	600	600
Sweden	-	-	-	786	-	-	-	-	255	255
Syria	-	-	-	-	-	-	-	-	-	-
Trinidad and Tobago	5,963	-	-	-	-	-	-	-	-	-
United Kingdom	2,611	-	-	1,068	-	-	-	-	105	105
Vietnam	-	-	-	-	-	-	-	-	-	-
Virgin Islands, U.S.	-	-	-	-	-	-	-	-	-	-
Yemen	-	-	-	-	-	-	-	-	-	-
Other	2,974	35	0	2,917	-	31	31	-	879	879
<b>Total</b>	<b>511,677</b>	<b>35</b>	<b>131</b>	<b>123,439</b>	<b>-</b>	<b>189</b>	<b>189</b>	<b>-</b>	<b>12,060</b>	<b>12,060</b>
<b>Persian Gulf<sup>3</sup></b>	<b>117,712</b>	<b>-</b>	<b>-</b>	<b>1,923</b>	<b>-</b>	<b>-</b>	<b>-</b>	<b>-</b>	<b>-</b>	<b>-</b>

See footnotes at end of table.

**Table 47. PAD District 3 - Year-to-Date Imports of Crude Oil and Petroleum Products by Country of Origin, January-September 2020**  
(Thousand Barrels) — Continued

Country of Origin	Oxygenates		Renewable Fuels				Distillate Fuel Oil				Total
	Methyl Tertiary Butyl Ether (MTBE)	Other Oxygenates	Fuel Ethanol	Biomass-Based Diesel	Other Renewable Diesel	Other Renewable Fuels	15 ppm sulfur and under	Greater than 15 ppm to 500 ppm sulfur	501 to 2000 ppm	Greater than 2000 ppm	
<b>OPEC</b>	--	--	-	-	-	-	-	-	-	-	-
Algeria	--	--	-	-	-	-	-	-	-	-	-
Angola	--	--	-	-	-	-	-	-	-	-	-
Congo (Brazzaville)	--	--	-	-	-	-	-	-	-	-	-
Equatorial Guinea	--	--	-	-	-	-	-	-	-	-	-
Gabon	--	--	-	-	-	-	-	-	-	-	-
Iran	--	--	-	-	-	-	-	-	-	-	-
Iraq	--	--	-	-	-	-	-	-	-	-	-
Kuwait	--	--	-	-	-	-	-	-	-	-	-
Libya	--	--	-	-	-	-	-	-	-	-	-
Nigeria	--	--	-	-	-	-	-	-	-	-	-
Saudi Arabia	--	--	-	-	-	-	-	-	-	-	-
United Arab Emirates	--	--	-	-	-	-	-	-	-	-	-
Venezuela	--	--	-	-	-	-	-	-	-	-	-
<b>Non-OPEC</b>	--	--	-	273	-	-	38	-	-	-	38
Argentina	--	--	-	-	-	-	-	-	-	-	-
Aruba	--	--	-	-	-	-	-	-	-	-	-
Australia	--	--	-	-	-	-	-	-	-	-	-
Bahamas	--	--	-	-	-	-	-	-	-	-	-
Bahrain	--	--	-	-	-	-	-	-	-	-	-
Belgium	--	--	-	-	-	-	-	-	-	-	-
Brazil	--	--	-	-	-	-	-	-	-	-	-
Brunei	--	--	-	-	-	-	-	-	-	-	-
Cameroon	--	--	-	-	-	-	-	-	-	-	-
Canada	--	--	-	-	-	-	36	-	-	-	36
Chad	--	--	-	-	-	-	-	-	-	-	-
China	--	--	-	-	-	-	-	-	-	-	-
Colombia	--	--	-	-	-	-	-	-	-	-	-
Denmark	--	--	-	-	-	-	-	-	-	-	-
Ecuador	--	--	-	-	-	-	-	-	-	-	-
Egypt	--	--	-	-	-	-	-	-	-	-	-
Estonia	--	--	-	-	-	-	-	-	-	-	-
Finland	--	--	-	-	-	-	-	-	-	-	-
France	--	--	-	-	-	-	-	-	-	-	-
Germany	--	--	-	71	-	-	-	-	-	-	-
Guatemala	--	--	-	-	-	-	-	-	-	-	-
India	--	--	-	-	-	-	-	-	-	-	-
Indonesia	--	--	-	-	-	-	-	-	-	-	-
Italy	--	--	-	-	-	-	-	-	-	-	-
Korea, South	--	--	-	-	-	-	-	-	-	-	-
Latvia	--	--	-	-	-	-	-	-	-	-	-
Lithuania	--	--	-	-	-	-	-	-	-	-	-
Malaysia	--	--	-	-	-	-	-	-	-	-	-
Mexico	--	--	-	-	-	-	2	-	-	-	2
Netherlands	--	--	-	-	-	-	-	-	-	-	-
Norway	--	--	-	-	-	-	-	-	-	-	-
Oman	--	--	-	-	-	-	-	-	-	-	-
Portugal	--	--	-	-	-	-	-	-	-	-	-
Qatar	--	--	-	-	-	-	-	-	-	-	-
Russia	--	--	-	-	-	-	-	-	-	-	-
Spain	--	--	-	199	-	-	-	-	-	-	-
Sweden	--	--	-	-	-	-	-	-	-	-	-
Syria	--	--	-	-	-	-	-	-	-	-	-
Trinidad and Tobago	--	--	-	-	-	-	-	-	-	-	-
United Kingdom	--	--	-	-	-	-	-	-	-	-	-
Vietnam	--	--	-	-	-	-	-	-	-	-	-
Virgin Islands, U.S.	--	--	-	-	-	-	-	-	-	-	-
Yemen	--	--	-	-	-	-	-	-	-	-	-
Other	--	--	-	3	-	-	0	-	-	-	0
<b>Total</b>	--	--	-	273	-	-	38	-	-	-	38
<b>Persian Gulf<sup>3</sup></b>	--	--	-	-	-	-	-	-	-	-	-

See footnotes at end of table.

**Table 47. PAD District 3 - Year-to-Date Imports of Crude Oil and Petroleum Products by Country of Origin, January-September 2020**  
(Thousand Barrels) — Continued

Country of Origin	Kerosene	Finished Aviation Gasoline	Aviation Gasoline Blending Components	Kerosene-Type Jet Fuel	Special Naphthas	Residual Fuel Oil			
						Less than 0.31 % sulfur	0.31 to 1.00 % sulfur	Greater than 1.00 % sulfur	Total
<b>OPEC</b>	—	—	—	50	256	—	16	979	995
Algeria	—	—	—	—	—	—	16	15	31
Angola	—	—	—	—	—	—	—	—	—
Congo (Brazzaville)	—	—	—	—	—	—	—	—	—
Equatorial Guinea	—	—	—	—	—	—	—	—	—
Gabon	—	—	—	—	—	—	—	—	—
Iran	—	—	—	—	—	—	—	—	—
Iraq	—	—	—	—	—	—	—	—	—
Kuwait	—	—	—	—	—	—	—	—	—
Libya	—	—	—	—	—	—	—	—	—
Nigeria	—	—	—	—	—	—	—	—	—
Saudi Arabia	—	—	—	50	256	—	—	655	655
United Arab Emirates	—	—	—	—	—	—	—	309	309
Venezuela	—	—	—	—	—	—	—	—	—
<b>Non-OPEC</b>	—	127	—	2,461	3,276	574	2,968	25,204	28,746
Argentina	—	—	—	—	—	—	—	—	—
Aruba	—	—	—	—	—	—	—	—	—
Australia	—	—	—	—	—	—	—	—	—
Bahamas	—	—	—	—	—	—	—	950	950
Bahrain	—	—	—	—	—	—	—	—	—
Belgium	—	—	—	—	—	—	2	411	413
Brazil	—	—	—	—	385	—	1,036	717	1,753
Brunei	—	—	—	314	—	—	—	—	—
Cameroon	—	—	—	—	—	—	—	—	—
Canada	—	—	—	—	391	—	—	395	395
Chad	—	—	—	—	—	—	—	—	—
China	—	—	—	—	—	—	—	—	—
Colombia	—	—	—	—	—	—	17	4	21
Denmark	—	—	—	—	—	—	—	—	—
Ecuador	—	—	—	—	—	—	—	—	—
Egypt	—	—	—	—	—	—	—	2,547	2,547
Estonia	—	—	—	—	—	—	—	—	—
Finland	—	—	—	—	—	—	—	—	—
France	—	—	—	—	34	—	—	—	—
Germany	—	—	—	—	58	—	—	—	—
Guatemala	—	—	—	—	—	—	—	—	—
India	—	—	—	465	140	—	—	—	—
Indonesia	—	—	—	—	—	—	—	—	—
Italy	—	—	—	215	—	—	—	48	48
Korea, South	—	—	—	1,288	1,609	—	—	—	—
Latvia	—	—	—	—	—	—	—	76	76
Lithuania	—	—	—	—	—	—	—	348	348
Malaysia	—	—	—	—	—	—	—	—	—
Mexico	—	—	—	—	67	574	6	11,217	11,797
Netherlands	—	127	—	—	4	—	—	198	198
Norway	—	—	—	—	—	—	—	—	—
Oman	—	—	—	—	—	—	—	—	—
Portugal	—	—	—	—	—	—	—	—	—
Qatar	—	—	—	—	—	—	—	—	—
Russia	—	—	—	80	—	—	1,412	7,038	8,450
Spain	—	—	—	—	26	—	—	118	118
Sweden	—	—	—	—	—	—	—	—	—
Syria	—	—	—	—	—	—	—	—	—
Trinidad and Tobago	—	—	—	—	—	—	—	—	—
United Kingdom	—	—	—	—	29	—	—	94	94
Vietnam	—	—	—	—	—	—	—	—	—
Virgin Islands, U.S.	—	—	—	—	—	—	—	—	—
Yemen	—	—	—	—	—	—	—	—	—
Other	—	0	—	99	533	0	495	1,043	1,538
<b>Total</b>	—	127	—	2,511	3,532	574	2,984	26,183	29,741
<b>Persian Gulf<sup>6</sup></b>	—	—	—	50	256	—	—	964	964

See footnotes at end of table.



**Table 47. PAD District 3 - Year-to-Date Imports of Crude Oil and Petroleum Products by Country of Origin, January-September 2020**  
(Thousand Barrels) — Continued

Country of Origin	Petrochemical Feedstocks		Waxes	Petroleum Coke	Asphalt and Road Oil	Lubricants	Miscellaneous Products	Total Products	Total Crude Oil and Products	Daily Average		
	Naphtha	Other Oils								Crude Oil	Products	Total
<b>OPEC</b>	<b>77</b>	<b>—</b>	<b>3</b>	<b>—</b>	<b>—</b>	<b>912</b>	<b>—</b>	<b>4,319</b>	<b>122,031</b>	<b>430</b>	<b>16</b>	<b>445</b>
Algeria	—	—	—	—	—	—	—	133	133	—	0	0
Angola	—	—	—	—	—	—	—	—	—	—	—	—
Congo (Brazzaville)	—	—	—	—	—	—	—	—	—	—	—	—
Equatorial Guinea	—	—	—	—	—	—	—	—	—	—	—	—
Gabon	—	—	—	—	—	—	—	—	—	—	—	—
Iran	—	—	—	—	—	—	—	—	—	—	—	—
Iraq	—	—	—	—	—	—	—	—	15,659	57	—	57
Kuwait	—	—	—	—	—	—	—	717	3,356	10	3	12
Libya	—	—	—	—	—	—	—	1	1	—	0	0
Nigeria	—	—	—	—	—	—	—	—	—	—	—	—
Saudi Arabia	77	—	3	—	—	36	—	2,283	101,697	363	8	371
United Arab Emirates	—	—	—	—	—	876	—	1,185	1,185	—	4	4
Venezuela	—	—	—	—	—	—	—	—	—	—	—	—
<b>Non-OPEC</b>	<b>2,630</b>	<b>281</b>	<b>270</b>	<b>2,359</b>	<b>122</b>	<b>5,953</b>	<b>—</b>	<b>180,437</b>	<b>574,402</b>	<b>1,438</b>	<b>659</b>	<b>2,096</b>
Argentina	—	98	—	1,353	—	11	—	1,782	3,208	5	7	12
Aruba	—	—	—	—	—	—	—	—	—	—	—	—
Australia	—	—	—	—	—	—	—	—	—	—	—	—
Bahamas	—	—	—	—	—	—	—	950	1,957	4	3	7
Bahrain	—	—	—	—	—	264	—	264	264	—	1	1
Belgium	—	—	—	—	—	65	—	3,816	3,816	—	14	14
Brazil	—	26	—	440	—	—	—	5,211	15,787	39	19	58
Brunei	—	—	—	—	—	—	—	314	314	—	1	1
Cameroon	—	—	—	—	—	—	—	—	622	2	—	2
Canada	—	—	—	—	57	17	—	1,691	129,212	465	6	472
Chad	—	—	—	—	—	—	—	—	—	—	—	—
China	—	—	41	—	—	—	—	41	41	—	0	0
Colombia	—	—	—	—	—	—	—	1,521	59,993	213	6	219
Denmark	—	—	—	—	—	—	—	3	3	—	0	0
Ecuador	—	—	—	—	—	—	—	3,157	9,290	22	12	34
Egypt	—	—	—	—	—	—	—	7,088	7,088	—	26	26
Estonia	—	—	—	—	—	—	—	—	—	—	—	—
Finland	—	—	—	—	—	8	—	866	866	—	3	3
France	—	157	10	—	—	21	—	222	222	—	1	1
Germany	—	—	—	228	—	19	—	733	733	—	3	3
Guatemala	—	—	—	—	—	—	—	—	1,113	4	—	4
India	—	—	—	—	—	—	—	3,583	3,583	—	13	13
Indonesia	—	—	—	—	—	730	—	730	730	—	3	3
Italy	—	—	48	—	—	153	—	3,502	3,848	1	13	14
Korea, South	126	—	—	—	—	2,092	—	5,424	5,424	—	20	20
Latvia	—	—	—	—	—	—	—	76	76	—	0	0
Lithuania	—	—	—	—	—	—	—	672	672	—	2	2
Malaysia	—	—	29	—	—	—	—	1,025	1,025	—	4	4
Mexico	1,644	—	—	—	—	—	—	17,639	190,440	631	64	695
Netherlands	—	—	—	130	—	376	—	2,440	2,440	—	9	9
Norway	—	—	—	—	—	—	—	600	600	—	2	2
Oman	—	—	—	200	—	—	—	200	200	—	1	1
Portugal	—	—	—	—	—	19	—	107	107	—	0	0
Qatar	—	—	—	—	—	2,024	—	2,024	2,024	—	7	7
Russia	—	—	—	—	—	—	—	103,997	106,397	9	380	388
Spain	—	—	—	—	—	38	—	1,215	1,215	—	4	4
Sweden	—	—	—	—	—	—	—	1,041	1,041	—	4	4
Syria	—	—	—	—	—	—	—	—	—	—	—	—
Trinidad and Tobago	—	—	—	—	—	—	—	—	5,963	22	—	22
United Kingdom	62	—	77	8	—	113	—	1,556	4,167	10	6	15
Vietnam	—	—	—	—	—	—	—	—	—	—	—	—
Virgin Islands, U.S.	—	—	—	—	—	—	—	—	—	—	—	—
Yemen	—	—	—	—	—	—	—	—	—	—	—	—
Other	798	0	65	0	65	3	—	6,947	9,921	11	25	36
<b>Total</b>	<b>2,707</b>	<b>281</b>	<b>273</b>	<b>2,359</b>	<b>122</b>	<b>6,865</b>	<b>—</b>	<b>184,756</b>	<b>696,433</b>	<b>1,867</b>	<b>674</b>	<b>2,542</b>
<b>Persian Gulf<sup>6</sup></b>	<b>77</b>	<b>—</b>	<b>3</b>	<b>—</b>	<b>—</b>	<b>3,200</b>	<b>—</b>	<b>6,473</b>	<b>124,185</b>	<b>430</b>	<b>24</b>	<b>453</b>

— = Not Applicable.

— = No Data Reported.

<sup>1</sup> Crude oil and unfinished oils are reported by PAD District of processing; all other products are reported by PAD District of Entry.

<sup>2</sup> Includes crude oil imported for storage in the Strategic Petroleum Reserve.

<sup>3</sup> Includes Bahrain, Iran, Iraq, Kuwait, Qatar, Saudi Arabia, and United Arab Emirates.

Note: Totals may not equal sum of components due to independent rounding.

Source: Energy Information Administration (EIA) Form EIA-814, "Monthly Imports Report."

**Table 48. PAD District 4 and 5 - Year-to-Date Imports of Crude Oil and Petroleum Products by Country of Origin, January-September 2020**  
(Thousand Barrels)

Country of Origin	Crude Oil <sup>1,2</sup>	Natural Gas Liquids	Refinery Olefins	Unfinished Oils <sup>1</sup>	Finished Motor Gasoline			Motor Gasoline Blending Components		
					Reform-ulated	Conven-tional	Total	Reform-ulated	Conven-tional	Total
	PAD District 4									
OPEC .....	-	-	-	-	-	-	-	-	-	-
Algeria .....	-	-	-	-	-	-	-	-	-	-
Angola .....	-	-	-	-	-	-	-	-	-	-
Congo (Brazzaville) .....	-	-	-	-	-	-	-	-	-	-
Iran .....	-	-	-	-	-	-	-	-	-	-
Iraq .....	-	-	-	-	-	-	-	-	-	-
Kuwait .....	-	-	-	-	-	-	-	-	-	-
Libya .....	-	-	-	-	-	-	-	-	-	-
Nigeria .....	-	-	-	-	-	-	-	-	-	-
Saudi Arabia .....	-	-	-	-	-	-	-	-	-	-
United Arab Emirates .....	-	-	-	-	-	-	-	-	-	-
Venezuela .....	-	-	-	-	-	-	-	-	-	-
Non-OPEC .....	84,050	3,020	-	-	-	26	26	-	735	735
Canada .....	84,050	3,020	-	-	-	26	26	-	735	735
Ecuador .....	-	-	-	-	-	-	-	-	-	-
Qatar .....	-	-	-	-	-	-	-	-	-	-
Other .....	0	0	-	-	-	0	0	-	0	0
Total .....	84,050	3,020	-	-	-	26	26	-	735	735
	PAD District 5									
OPEC .....	99,972	-	-	14	-	-	-	-	-	-
Algeria .....	-	-	-	13	-	-	-	-	-	-
Angola .....	4,795	-	-	-	-	-	-	-	-	-
Congo (Brazzaville) .....	1,896	-	-	-	-	-	-	-	-	-
Iran .....	-	-	-	-	-	-	-	-	-	-
Iraq .....	39,420	-	-	-	-	-	-	-	-	-
Kuwait .....	3,413	-	-	-	-	-	-	-	-	-
Libya .....	3,115	-	-	-	-	-	-	-	-	-
Nigeria .....	2,865	-	-	-	-	-	-	-	-	-
Saudi Arabia .....	44,418	-	-	1	-	-	-	-	-	-
United Arab Emirates .....	998	-	-	-	-	-	-	-	-	-
Venezuela .....	-	-	-	-	-	-	-	-	-	-
Non-OPEC .....	165,001	10,951	61	11,733	-	5,096	5,096	1,120	4,853	5,973
Argentina .....	7,158	-	-	87	-	-	-	-	-	-
Aruba .....	-	-	-	-	-	-	-	-	-	-
Australia .....	-	-	-	-	-	-	-	-	-	-
Brazil .....	6,894	-	-	-	-	57	57	-	59	59
Brunei .....	4,445	-	-	-	-	-	-	-	-	-
Canada .....	66,684	10,784	61	184	-	1,007	1,007	-	124	124
China .....	-	-	-	-	-	-	-	-	-	-
Colombia .....	13,758	-	-	930	-	-	-	-	-	-
Ecuador .....	40,104	-	-	170	-	-	-	-	-	-
Finland .....	-	-	-	-	-	-	-	-	-	-
Germany .....	-	-	-	55	-	-	-	-	-	-
Indonesia .....	-	-	-	-	-	-	-	-	-	-
Japan .....	-	-	-	286	-	-	-	-	604	604
Korea, South .....	-	-	-	-	-	1,579	1,579	318	1,754	2,072
Malaysia .....	-	-	-	669	-	-	-	-	32	32
Mexico .....	8,253	-	-	1,083	-	-	-	-	-	-
Netherlands .....	-	-	-	-	-	675	675	639	-	639
Oman .....	-	-	-	-	-	-	-	-	-	-
Papua New Guinea .....	-	-	-	-	-	-	-	-	-	-
Peru .....	1,981	-	-	172	-	-	-	-	-	-
Qatar .....	-	-	-	-	-	-	-	-	-	-
Singapore .....	-	-	-	142	-	315	315	-	-	-
Sweden .....	-	-	-	-	-	65	65	-	-	-
Taiwan .....	-	-	-	-	-	-	-	-	363	363
United Kingdom .....	802	-	-	-	-	215	215	-	563	563
Vietnam .....	614	-	-	-	-	-	-	-	-	-
Virgin Islands, U.S. ....	-	-	-	-	-	-	-	-	-	-
Other .....	14,308	167	0	7,955	-	1,183	1,183	163	1,354	1,517
Total .....	264,973	11,299	61	11,747	-	5,096	5,096	1,120	4,853	5,973
Persian Gulf <sup>3</sup> .....	88,249	-	-	1	-	-	-	-	-	-

See footnotes at end of table.

**Table 48. PAD District 4 and 5 - Year-to-Date Imports of Crude Oil and Petroleum Products by Country of Origin, January-September 2020**  
(Thousand Barrels) — Continued

Country of Origin	Oxygenates		Renewable Fuels				Distillate Fuel Oil				
	Methyl Tertiary Butyl Ether (MTBE)	Other Oxygen-ates	Fuel Ethanol	Biomass-Based Diesel	Other Renewable Diesel	Other Renewable Fuels	15 ppm sulfur and under	Greater than 15 ppm to 500 ppm sulfur	501 to 2000 ppm	Greater than 2000 ppm	Total
	PAD District 4										
OPEC	--	--	-	-	-	-	-	-	-	-	-
Algeria	--	--	-	-	-	-	-	-	-	-	-
Angola	--	--	-	-	-	-	-	-	-	-	-
Congo (Brazzaville)	--	--	-	-	-	-	-	-	-	-	-
Iran	--	--	-	-	-	-	-	-	-	-	-
Iraq	--	--	-	-	-	-	-	-	-	-	-
Kuwait	--	--	-	-	-	-	-	-	-	-	-
Libya	--	--	-	-	-	-	-	-	-	-	-
Nigeria	--	--	-	-	-	-	-	-	-	-	-
Saudi Arabia	--	--	-	-	-	-	-	-	-	-	-
United Arab Emirates	--	--	-	-	-	-	-	-	-	-	-
Venezuela	--	--	-	-	-	-	-	-	-	-	-
Non-OPEC	--	--	-	343	-	-	1,354	-	-	-	1,354
Canada	--	--	-	343	-	-	1,354	-	-	-	1,354
Ecuador	--	--	-	-	-	-	-	-	-	-	-
Qatar	--	--	-	-	-	-	-	-	-	-	-
Other	--	--	-	0	-	-	0	-	-	-	0
Total	--	--	-	343	-	-	1,354	-	-	-	1,354
	PAD District 5										
OPEC	--	--	-	-	-	-	-	-	-	-	-
Algeria	--	--	-	-	-	-	-	-	-	-	-
Angola	--	--	-	-	-	-	-	-	-	-	-
Congo (Brazzaville)	--	--	-	-	-	-	-	-	-	-	-
Iran	--	--	-	-	-	-	-	-	-	-	-
Iraq	--	--	-	-	-	-	-	-	-	-	-
Kuwait	--	--	-	-	-	-	-	-	-	-	-
Libya	--	--	-	-	-	-	-	-	-	-	-
Nigeria	--	--	-	-	-	-	-	-	-	-	-
Saudi Arabia	--	--	-	-	-	-	-	-	-	-	-
United Arab Emirates	--	--	-	-	-	-	-	-	-	-	-
Venezuela	--	--	-	-	-	-	-	-	-	-	-
Non-OPEC	--	--	2,227	459	4,522	-	4,664	-	7	-	4,671
Argentina	--	--	-	-	-	-	-	-	-	-	-
Aruba	--	--	-	-	-	-	-	-	-	-	-
Australia	--	--	-	-	-	-	-	-	-	-	-
Brazil	--	--	2,227	-	-	-	-	-	-	-	-
Brunei	--	--	-	-	-	-	-	-	-	-	-
Canada	--	--	-	44	-	-	3,841	-	7	-	3,848
China	--	--	-	-	-	-	-	-	-	-	-
Colombia	--	--	-	-	-	-	-	-	-	-	-
Ecuador	--	--	-	-	-	-	-	-	-	-	-
Finland	--	--	-	-	-	-	-	-	-	-	-
Germany	--	--	-	-	-	-	-	-	-	-	-
Indonesia	--	--	-	-	-	-	-	-	-	-	-
Japan	--	--	-	-	-	-	190	-	-	-	190
Korea, South	--	--	-	415	-	-	633	-	-	-	633
Malaysia	--	--	-	-	-	-	-	-	-	-	-
Mexico	--	--	-	-	-	-	-	-	-	-	-
Netherlands	--	--	-	-	-	-	-	-	-	-	-
Oman	--	--	-	-	-	-	-	-	-	-	-
Papua New Guinea	--	--	-	-	-	-	-	-	-	-	-
Peru	--	--	-	-	-	-	-	-	-	-	-
Qatar	--	--	-	-	-	-	-	-	-	-	-
Singapore	--	--	-	-	-	-	-	-	-	-	-
Sweden	--	--	-	-	-	-	-	-	-	-	-
Taiwan	--	--	-	-	-	-	-	-	-	-	-
United Kingdom	--	--	-	-	-	-	-	-	-	-	-
Vietnam	--	--	-	-	-	-	-	-	-	-	-
Virgin Islands, U.S.	--	--	-	-	-	-	-	-	-	-	-
Other	--	--	0	0	4,522	-	0	-	0	-	0
Total	--	--	2,227	459	4,522	-	4,664	-	7	-	4,671
Persian Gulf <sup>3</sup>	--	--	-	-	-	-	-	-	-	-	-

See footnotes at end of table.

**Table 48. PAD District 4 and 5 - Year-to-Date Imports of Crude Oil and Petroleum Products by Country of Origin, January-September 2020**  
(Thousand Barrels) — Continued

Country of Origin			Aviation Gasoline Blending Components	Kerosene-Type Jet Fuel	Special Naphthas	Residual Fuel Oil			
						Less than 0.31 % sulfur	0.31 to 1.00 % sulfur	Greater than 1.00 % sulfur	Total
	PAD District 4								
OPEC .....	-	-	-	49	-	-	-	-	-
Algeria .....	-	-	-	-	-	-	-	-	-
Angola .....	-	-	-	-	-	-	-	-	-
Congo (Brazzaville) .....	-	-	-	-	-	-	-	-	-
Iran .....	-	-	-	-	-	-	-	-	-
Iraq .....	-	-	-	-	-	-	-	-	-
Kuwait .....	-	-	-	-	-	-	-	-	-
Libya .....	-	-	-	-	-	-	-	-	-
Nigeria .....	-	-	-	-	-	-	-	-	-
Saudi Arabia .....	-	-	-	-	-	-	-	-	-
United Arab Emirates .....	-	-	-	-	-	-	-	-	-
Venezuela .....	-	-	-	-	-	-	-	-	-
Non-OPEC .....	-	2	-	115	-	-	-	-	-
Canada .....	-	2	-	110	-	-	-	-	-
Ecuador .....	-	-	-	-	-	-	-	-	-
Qatar .....	-	-	-	-	-	-	-	-	-
Other .....	-	0	-	5	-	-	-	-	-
Total .....	-	2	-	164	-	-	-	-	-
	PAD District 5								
OPEC .....	-	-	-	-	-	-	-	3	3
Algeria .....	-	-	-	-	-	-	-	-	-
Angola .....	-	-	-	-	-	-	-	-	-
Congo (Brazzaville) .....	-	-	-	-	-	-	-	-	-
Iran .....	-	-	-	-	-	-	-	-	-
Iraq .....	-	-	-	-	-	-	-	-	-
Kuwait .....	-	-	-	-	-	-	-	-	-
Libya .....	-	-	-	-	-	-	-	-	-
Nigeria .....	-	-	-	-	-	-	-	-	-
Saudi Arabia .....	-	-	-	-	-	-	-	3	3
United Arab Emirates .....	-	-	-	-	-	-	-	-	-
Venezuela .....	-	-	-	-	-	-	-	-	-
Non-OPEC .....	40	12	-	26,592	-	-	730	2,412	3,142
Argentina .....	-	-	-	125	-	-	223	-	223
Aruba .....	-	-	-	-	-	-	-	-	-
Australia .....	-	-	-	-	-	-	-	-	-
Brazil .....	-	-	-	-	-	-	-	-	-
Brunei .....	-	-	-	1,077	-	-	-	-	-
Canada .....	20	12	-	207	-	-	507	868	1,375
China .....	-	-	-	312	-	-	-	1	1
Colombia .....	-	-	-	-	-	-	-	-	-
Ecuador .....	-	-	-	-	-	-	-	763	763
Finland .....	-	-	-	-	-	-	-	-	-
Germany .....	-	-	-	-	-	-	-	-	-
Indonesia .....	-	-	-	-	-	-	-	-	-
Japan .....	-	-	-	5,015	-	-	-	-	-
Korea, South .....	20	-	-	16,849	-	-	-	-	-
Malaysia .....	-	-	-	-	-	-	-	-	-
Mexico .....	-	-	-	-	-	-	-	-	-
Netherlands .....	-	-	-	-	-	-	-	-	-
Oman .....	-	-	-	-	-	-	-	-	-
Papua New Guinea .....	-	-	-	-	-	-	-	-	-
Peru .....	-	-	-	-	-	-	-	-	-
Qatar .....	-	-	-	-	-	-	-	-	-
Singapore .....	-	-	-	1,624	-	-	-	-	-
Sweden .....	-	-	-	-	-	-	-	-	-
Taiwan .....	-	-	-	-	-	-	-	-	-
United Kingdom .....	-	-	-	-	-	-	-	-	-
Vietnam .....	-	-	-	-	-	-	-	-	-
Virgin Islands, U.S. ....	-	-	-	-	-	-	-	-	-
Other .....	0	0	-	1,383	-	-	0	780	780
Total .....	40	12	-	26,592	-	-	730	2,415	3,145
Persian Gulf <sup>3</sup> .....	-	-	-	-	-	-	-	3	3

See footnotes at end of table.

**Table 48. PAD District 4 and 5 - Year-to-Date Imports of Crude Oil and Petroleum Products by Country of Origin, January-September 2020**  
(Thousand Barrels) — Continued

Country of Origin	Petrochemical Feedstocks		Waxes	Petroleum Coke	Asphalt and Road Oil	Lubricants	Miscellaneous Products	Total Products	Total Crude Oil and Products	Daily Average		
	Naphtha	Other Oils								Crude Oil	Products	Total
	PAD District 4											
OPEC	-	-	-	-	-	-	-	49	49	-	0	0
Algeria	-	-	-	-	-	-	-	-	-	-	-	-
Angola	-	-	-	-	-	-	-	-	-	-	-	-
Congo (Brazzaville)	-	-	-	-	-	-	-	-	-	-	-	-
Iran	-	-	-	-	-	-	-	-	-	-	-	-
Iraq	-	-	-	-	-	-	-	-	-	-	-	-
Kuwait	-	-	-	-	-	-	-	-	-	-	-	-
Libya	-	-	-	-	-	-	-	-	-	-	-	-
Nigeria	-	-	-	-	-	-	-	-	-	-	-	-
Saudi Arabia	-	-	-	-	-	-	-	-	-	-	-	-
United Arab Emirates	-	-	-	-	-	-	-	-	-	-	-	-
Venezuela	-	-	-	-	-	-	-	-	-	-	-	-
Non-OPEC	-	-	-	-	255	-	9	5,859	89,909	307	21	328
Canada	-	-	-	-	255	-	9	5,854	89,904	307	21	328
Ecuador	-	-	-	-	-	-	-	-	-	-	-	-
Qatar	-	-	-	-	-	-	-	-	-	-	-	-
Other	-	-	-	-	0	-	0	5	5	0	0	0
Total	-	-	-	-	255	-	9	5,908	89,958	307	22	328
	PAD District 5											
OPEC	-	-	-	-	-	-	-	365	100,337	365	1	366
Algeria	-	-	-	-	-	-	-	13	13	-	0	0
Angola	-	-	-	-	-	-	-	-	4,795	18	-	18
Congo (Brazzaville)	-	-	-	-	-	-	-	-	1,896	6	-	6
Iran	-	-	-	-	-	-	-	-	-	-	-	-
Iraq	-	-	-	-	-	-	-	-	39,420	144	-	144
Kuwait	-	-	-	-	-	-	-	-	3,413	12	-	12
Libya	-	-	-	-	-	-	-	-	3,115	11	-	11
Nigeria	-	-	-	-	-	-	-	-	2,865	10	-	10
Saudi Arabia	-	-	-	-	-	-	-	4	44,422	162	0	162
United Arab Emirates	-	-	-	-	-	-	-	56	1,054	4	0	4
Venezuela	-	-	-	-	-	-	-	-	-	-	-	-
Non-OPEC	242	-	248	119	655	167	-	76,910	241,911	602	281	883
Argentina	-	-	-	-	-	-	-	435	7,593	26	2	28
Aruba	-	-	-	-	-	-	-	-	-	-	-	-
Australia	-	-	-	-	-	-	-	-	-	-	-	-
Brazil	-	-	-	-	-	-	-	2,343	9,237	25	9	34
Brunei	-	-	-	-	-	-	-	1,077	5,522	16	4	20
Canada	-	-	-	119	655	53	-	18,493	85,177	243	67	311
China	-	-	138	-	-	-	-	451	451	-	2	2
Colombia	-	-	-	-	-	-	-	930	14,688	50	3	54
Ecuador	-	-	-	-	-	-	-	933	41,037	146	3	150
Finland	-	-	-	-	-	-	-	-	-	-	-	-
Germany	-	-	-	-	-	-	-	55	55	-	0	0
Indonesia	-	-	-	-	-	-	-	-	-	-	-	-
Japan	-	-	24	-	-	-	-	6,119	6,119	-	22	22
Korea, South	-	-	-	-	-	68	-	21,636	21,636	-	79	79
Malaysia	-	-	1	-	-	-	-	702	702	-	3	3
Mexico	-	-	-	-	-	-	-	1,083	9,336	30	4	34
Netherlands	73	-	-	-	-	-	-	1,387	1,387	-	5	5
Oman	-	-	-	-	-	-	-	-	-	-	-	-
Papua New Guinea	-	-	-	-	-	-	-	-	-	-	-	-
Peru	-	-	-	-	-	-	-	172	2,153	7	1	8
Qatar	-	-	-	-	-	46	-	46	46	-	0	0
Singapore	-	-	-	-	-	-	-	6,603	6,603	-	24	24
Sweden	-	-	-	-	-	-	-	65	65	-	0	0
Taiwan	169	-	85	-	-	-	-	617	617	-	2	2
United Kingdom	-	-	-	-	-	-	-	778	1,580	3	3	6
Vietnam	-	-	-	-	-	-	-	-	614	2	-	2
Virgin Islands, U.S.	-	-	-	-	-	-	-	-	-	-	-	-
Other	0	-	0	0	0	0	-	12,985	27,293	54	48	99
Total	242	-	248	119	655	167	-	77,275	342,248	967	282	1,249
Persian Gulf <sup>3</sup>	-	-	-	-	-	46	-	106	88,355	322	0	322

— = Not Applicable.

— = No Data Reported.

<sup>1</sup> Crude oil and unfinished oils are reported by PAD District of processing; all other products are reported by PAD District of Entry.

<sup>2</sup> Includes crude oil imported for storage in the Strategic Petroleum Reserve.

<sup>3</sup> Includes Bahrain, Iran, Iraq, Kuwait, Qatar, Saudi Arabia, and United Arab Emirates.

Note: Totals may not equal sum of components due to independent rounding.

Source: Energy Information Administration (EIA) Form EIA-814, "Monthly Imports Report."

**Table 49. Exports of Crude Oil and Petroleum Products by PAD District, September 2020**  
(Thousand Barrels)

Commodity	PAD Districts					U.S. Total	
	1	2	3	4	5	Total	Daily Average
<b>Crude Oil<sup>1</sup></b> .....	<b>2,459</b>	<b>7,012</b>	<b>85,311</b>	<b>—</b>	<b>2,368</b>	<b>97,150</b>	<b>3,238</b>
<b>Hydrocarbon Gas Liquids</b> .....	<b>8,020</b>	<b>9,094</b>	<b>41,890</b>	<b>86</b>	<b>1,353</b>	<b>60,443</b>	<b>2,015</b>
Natural Gas Liquids .....	8,020	9,094	41,890	86	1,353	60,443	2,015
Ethane .....	1,697	3,063	2,294	—	0	7,054	235
Propane .....	4,450	110	30,891	1	837	36,290	1,210
Normal Butane .....	1,761	170	8,568	22	492	11,014	367
Isobutane .....	0	1	51	—	2	54	2
Natural Gasoline .....	112	5,749	86	63	22	6,032	201
Refinery Olefins .....	—	—	—	—	—	—	—
Ethylene .....	—	—	—	—	—	—	—
Propylene .....	—	—	—	—	—	—	—
Normal Butylene .....	—	—	—	—	—	—	—
Isobutylene .....	—	—	—	—	—	—	—
<b>Other Liquids</b> .....	<b>91</b>	<b>1,697</b>	<b>9,898</b>	<b>47</b>	<b>291</b>	<b>12,023</b>	<b>401</b>
Hydrogen/Oxygenates/Renewables/							
Other Hydrocarbons .....	55	946	1,096	47	130	2,273	76
Hydrogen .....	—	—	—	—	—	—	—
Oxygenates (excluding Fuel Ethanol) .....	—	—	—	—	—	—	—
Methyl Tertiary Butyl Ether (MTBE) .....	—	—	—	—	—	—	—
Other Oxygenates .....	—	—	—	—	—	—	—
Renewable Fuels (including Fuel Ethanol) ...	55	946	1,096	47	130	2,273	76
Fuel Ethanol .....	53	662	1,007	45	81	1,848	62
Biodiesel .....	2	285	88	2	49	426	14
Other Renewable Diesel .....	—	—	—	—	—	—	—
Other Renewable Fuels .....	—	—	—	—	—	—	—
Other Hydrocarbons .....	—	—	—	—	—	—	—
Unfinished Oils .....	33	662	7,609	—	32	8,336	278
Naphthas and Lighter .....	6	655	7,442	—	21	8,125	271
Kerosene and Light Gas Oils .....	27	7	167	—	11	211	7
Heavy Gas Oils .....	—	—	—	—	—	—	—
Residuum .....	—	—	—	—	—	—	—
Motor Gasoline Blend.Comp. (MGBC) .....	3	89	1,193	0	129	1,414	47
Reformulated .....	0	—	6	—	1	8	0
Conventional .....	2	89	1,187	0	128	1,406	47
Aviation Gasoline Blend. Comp. ....	—	—	—	—	—	—	—
<b>Finished Petroleum Products</b> .....	<b>2,441</b>	<b>1,177</b>	<b>70,406</b>	<b>23</b>	<b>7,630</b>	<b>81,677</b>	<b>2,723</b>
Finished Motor Gasoline .....	392	313	21,919	1	834	23,460	782
Reformulated .....	—	—	—	—	—	—	—
Conventional .....	392	313	21,919	1	834	23,460	782
Finished Aviation Gasoline .....	—	—	—	—	—	—	—
Kerosene-Type Jet Fuel .....	2	28	1,096	—	237	1,363	45
Kerosene .....	2	1	407	—	32	441	15
Distillate Fuel Oil .....	592	182	31,708	—	2,836	35,318	1,177
15 ppm sulfur and under .....	9	2	28,993	—	2,460	31,464	1,049
Greater than 15 ppm to 500 ppm sulfur .....	581	10	2,185	—	345	3,121	104
Greater than 500 ppm sulfur .....	2	170	531	—	31	734	24
Residual Fuel Oil .....	395	184	3,512	4	137	4,231	141
Naphtha for Petro. Feed. Use .....	—	—	—	—	—	—	—
Other Oils for Petro. Feed. Use .....	—	—	—	—	—	—	—
Special Naphthas .....	—	—	—	—	—	—	—
Lubricants .....	152	199	2,209	11	526	3,098	103
Waxes .....	75	38	27	0	5	145	5
Petroleum Coke .....	667	27	9,179	0	2,991	12,864	429
Asphalt and Road Oil .....	151	202	330	6	32	720	24
Miscellaneous Products .....	14	3	18	—	0	35	1
<b>Total</b> .....	<b>13,011</b>	<b>18,980</b>	<b>207,505</b>	<b>156</b>	<b>11,642</b>	<b>251,293</b>	<b>8,376</b>

— = Not Applicable.

— = No Data Reported.

<sup>1</sup> On December 18, 2015, the U.S. enacted legislation authorizing the export of U.S. crude oil without a license. Exports to embargoed or sanctioned countries continue to require authorization.

Note: Totals may not equal sum of components due to independent rounding.

Sources: U.S. Census Bureau and EIA estimates.

**Table 50. Year-to-Date Exports of Crude Oil and Petroleum Products by PAD District, January-September 2020**  
(Thousand Barrels)

Commodity	PAD Districts					U.S. Total	
	1	2	3	4	5	Total	Daily Average
<b>Crude Oil<sup>1</sup></b> .....	<b>8,864</b>	<b>44,222</b>	<b>819,112</b>	<b>214</b>	<b>12,498</b>	<b>884,910</b>	<b>3,230</b>
<b>Hydrocarbon Gas Liquids</b> .....	<b>71,590</b>	<b>84,333</b>	<b>391,128</b>	<b>878</b>	<b>14,031</b>	<b>561,960</b>	<b>2,051</b>
Natural Gas Liquids .....	71,590	84,333	391,128	878	14,031	561,960	2,051
Ethane .....	14,905	25,900	36,063	—	1	76,869	281
Propane .....	39,906	1,729	281,542	3	8,947	331,064	1,208
Normal Butane .....	15,866	1,896	73,433	428	5,009	96,281	351
Isobutane .....	7	8	810	—	5	827	3
Natural Gasoline .....	965	54,813	573	449	120	56,919	208
Refinery Olefins .....	—	—	—	—	—	—	—
Ethylene .....	—	—	—	—	—	—	—
Propylene .....	—	—	—	—	—	—	—
Normal Butylene .....	—	—	—	—	—	—	—
Isobutylene .....	—	—	—	—	—	—	—
<b>Other Liquids</b> .....	<b>2,049</b>	<b>20,139</b>	<b>87,765</b>	<b>302</b>	<b>5,862</b>	<b>116,117</b>	<b>424</b>
Hydrogen/Oxygenates/Renewables/							
Other Hydrocarbons .....	1,189	6,618	16,551	299	2,027	26,684	97
Hydrogen .....	—	—	—	—	—	—	—
Oxygenates (excluding Fuel Ethanol) .....	—	—	—	—	—	—	—
Methyl Tertiary Butyl Ether (MTBE) .....	—	—	—	—	—	—	—
Other Oxygenates .....	—	—	—	—	—	—	—
Renewable Fuels (including Fuel Ethanol) ...	1,189	6,618	16,551	299	2,027	26,684	97
Fuel Ethanol .....	1,002	4,743	16,127	219	1,462	23,554	86
Biodiesel .....	187	1,875	424	80	565	3,130	11
Other Renewable Diesel .....	—	—	—	—	—	—	—
Other Renewable Fuels .....	—	—	—	—	—	—	—
Other Hydrocarbons .....	—	—	—	—	—	—	—
Unfinished Oils .....	322	12,465	57,470	2	2,037	72,297	264
Naphthas and Lighter .....	164	12,426	55,929	0	1,902	70,421	257
Kerosene and Light Gas Oils .....	158	39	1,542	2	135	1,876	7
Heavy Gas Oils .....	—	—	—	—	—	—	—
Residuum .....	—	—	—	—	—	—	—
Motor Gasoline Blend.Comp. (MGBC) .....	538	1,055	13,744	0	1,798	17,136	63
Reformulated .....	13	1	537	—	17	568	2
Conventional .....	525	1,055	13,207	0	1,781	16,568	60
Aviation Gasoline Blend. Comp. ....	—	—	—	—	—	—	—
<b>Finished Petroleum Products</b> .....	<b>24,404</b>	<b>9,827</b>	<b>667,605</b>	<b>179</b>	<b>78,392</b>	<b>780,407</b>	<b>2,848</b>
Finished Motor Gasoline .....	1,629	1,885	169,853	8	14,037	187,413	684
Reformulated .....	—	—	—	—	—	—	—
Conventional .....	1,629	1,885	169,853	8	14,037	187,413	684
Finished Aviation Gasoline .....	—	—	—	—	—	—	—
Kerosene-Type Jet Fuel .....	1,785	803	21,991	—	3,888	28,466	104
Kerosene .....	155	8	580	—	218	961	4
Distillate Fuel Oil .....	9,161	1,215	303,510	0	25,189	339,075	1,237
15 ppm sulfur and under .....	5,822	8	257,099	0	20,332	283,261	1,034
Greater than 15 ppm to 500 ppm sulfur .....	2,660	138	25,488	—	1,685	29,971	109
Greater than 500 ppm sulfur .....	679	1,069	20,924	—	3,171	25,842	94
Residual Fuel Oil .....	2,821	1,579	32,268	54	5,589	42,312	154
Naphtha for Petro. Feed. Use .....	—	—	—	—	—	—	—
Other Oils for Petro. Feed. Use .....	—	—	—	—	—	—	—
Special Naphthas .....	—	—	—	—	—	—	—
Lubricants .....	1,606	1,617	19,276	84	3,085	25,667	94
Waxes .....	581	241	322	2	43	1,188	4
Petroleum Coke .....	5,941	1,679	114,899	1	25,969	148,488	542
Asphalt and Road Oil .....	596	772	4,694	30	372	6,464	24
Miscellaneous Products .....	129	29	212	1	2	373	1
<b>Total</b> .....	<b>106,908</b>	<b>158,519</b>	<b>1,965,609</b>	<b>1,573</b>	<b>110,783</b>	<b>2,343,393</b>	<b>8,553</b>

— = Not Applicable.

— = No Data Reported.

<sup>1</sup> On December 18, 2015, the U.S. enacted legislation authorizing the export of U.S. crude oil without a license. Exports to embargoed or sanctioned countries continue to require authorization.

Note: Totals may not equal sum of components due to independent rounding.

Sources: U.S. Census Bureau and EIA estimates.

**Table 51. Exports of Crude Oil and Petroleum Products by Destination, September 2020**  
(Thousand Barrels)

Destination	Crude Oil <sup>1</sup>	Natural Gas Liquids	Refinery Olefins	Unfinished Oils	Finished Motor Gasoline			Motor Gasoline Blending Components		
					Reformulated	Conventional	Total	Reformulated	Conventional	Total
Argentina .....	—	—	—	0	—	—	—	—	—	—
Australia .....	2,052	574	—	6	—	0	0	—	—	—
Bahamas .....	—	923	—	—	—	457	457	0	—	0
Bahrain .....	—	—	—	0	—	1	1	—	—	—
Belgium .....	—	1,015	—	2	—	323	323	—	—	—
Belize .....	—	29	—	—	—	30	30	—	—	—
Brazil .....	901	1,587	—	2,076	—	2,465	2,465	—	—	—
Canada .....	16,113	9,391	—	670	—	797	797	—	490	490
Cayman Islands .....	—	—	—	—	—	—	—	0	—	0
Chile .....	—	545	—	182	—	158	158	—	—	—
China .....	21,373	7,386	—	3	—	—	—	—	—	—
Colombia .....	550	23	—	919	—	—	—	—	330	330
Costa Rica .....	—	189	—	0	—	599	599	—	—	—
Denmark .....	726	—	—	—	—	—	—	—	—	—
Dominican Republic .....	—	967	—	1	—	385	385	—	60	60
Ecuador .....	—	1,014	—	—	—	301	301	—	—	—
Egypt .....	—	—	—	—	—	—	—	—	—	—
El Salvador .....	—	237	—	0	—	376	376	—	—	—
Finland .....	—	222	—	—	—	—	—	—	—	—
France .....	3,606	1,367	—	14	—	—	—	—	—	—
Germany .....	6,524	—	—	11	—	—	—	—	—	—
Ghana .....	—	—	—	—	—	—	—	—	—	—
Gibraltar .....	—	548	—	—	—	—	—	—	—	—
Greece .....	—	—	—	—	—	—	—	—	—	—
Guatemala .....	—	413	—	1	—	1,022	1,022	—	—	—
Honduras .....	—	365	—	—	—	274	274	—	—	—
Hong Kong .....	—	0	—	0	—	—	—	—	—	—
India .....	8,267	2,130	—	24	—	—	—	—	—	—
Indonesia .....	—	3,241	—	13	—	—	—	—	—	—
Ireland .....	2,441	—	—	—	—	—	—	—	—	—
Israel .....	—	2	—	30	—	—	—	—	—	—
Italy .....	5,033	—	—	—	—	—	—	—	—	—
Jamaica .....	—	20	—	—	—	73	73	—	0	0
Japan .....	—	9,088	—	1,149	—	—	—	1	—	1
Korea, South .....	7,350	4,429	—	1,127	—	0	0	—	0	0
Lebanon .....	—	—	—	1	—	—	—	—	—	—
Mexico .....	—	5,097	—	102	—	14,591	14,591	6	455	461
Montenegro .....	—	—	—	—	—	—	—	—	—	—
Morocco .....	—	748	—	—	—	—	—	—	—	—
Mozambique .....	—	—	—	—	—	—	—	—	—	—
Netherlands .....	4,757	2,895	—	1,026	—	—	—	—	—	—
New Zealand .....	—	1	—	0	—	—	—	—	—	—
Nicaragua .....	148	—	—	104	—	53	53	—	—	—
Nigeria .....	—	221	—	0	—	3	3	—	—	—
Norway .....	—	1,012	—	—	—	—	—	—	—	—
Pakistan .....	—	—	—	—	—	—	—	—	—	—
Panama .....	952	15	—	—	—	533	533	—	0	0
Peru .....	—	252	—	148	—	590	590	—	0	0
Philippines .....	—	—	—	—	—	—	—	—	—	—
Portugal .....	1,445	721	—	—	—	—	—	—	—	—
Puerto Rico .....	—	49	—	1	—	306	306	—	0	0
Romania .....	—	—	—	0	—	—	—	—	—	—
Saudi Arabia .....	—	—	—	0	—	—	—	—	—	—
Serbia (Excludes Kosovo) ..	—	—	—	—	—	—	—	—	—	—
Singapore .....	1,994	0	—	317	—	0	0	0	—	0
South Africa .....	—	0	—	—	—	—	—	—	—	—
Spain .....	1,456	—	—	80	—	—	—	—	—	—
Switzerland .....	—	—	—	—	—	—	—	—	—	—
Taiwan .....	3,307	—	—	319	—	0	0	—	0	0
Thailand .....	—	—	—	2	—	—	—	—	—	—
Trinidad and Tobago .....	—	0	—	0	—	0	0	—	—	—
Turkey .....	—	1,443	—	0	—	—	—	—	—	—
United Arab Emirates .....	774	0	—	—	—	0	0	—	—	—
United Kingdom .....	5,792	798	—	—	—	0	0	0	—	0
Venezuela .....	—	1	—	0	—	0	0	—	—	—
Other .....	1,589	1,485	—	8	—	123	123	1	71	72
<b>Total .....</b>	<b>97,150</b>	<b>60,443</b>	<b>—</b>	<b>8,336</b>	<b>—</b>	<b>23,460</b>	<b>23,460</b>	<b>8</b>	<b>1,406</b>	<b>1,414</b>

See footnotes at end of table.



**Table 51. Exports of Crude Oil and Petroleum Products by Destination, September 2020**  
(Thousand Barrels) — Continued

Destination	Oxygenates		Renewable Fuels				Distillate Fuel Oil				Total
	Methyl Tertiary Butyl Ether (MTBE)	Other Oxygenates	Fuel Ethanol	Biomass-Based Diesel	Other Renewable Diesel	Other Renewable Fuels	15 ppm sulfur and under	Greater than 15 ppm to 500 ppm sulfur	501 to 2000 ppm	Greater than 2000 ppm	
Argentina .....	---	---	—	—	—	—	250	—	—	—	250
Australia .....	---	---	0	—	—	—	324	—	—	—	324
Bahamas .....	---	---	0	—	—	—	948	—	142	—	1,090
Bahrain .....	---	---	—	—	—	—	—	—	—	—	—
Belgium .....	---	---	0	—	—	—	0	241	—	—	241
Belize .....	---	---	0	—	—	—	321	—	—	—	321
Brazil .....	---	---	0	—	—	—	4,704	195	—	—	4,899
Canada .....	---	---	765	404	—	—	2	640	202	—	844
Cayman Islands .....	---	---	—	—	—	—	92	—	—	—	92
Chile .....	---	---	1	—	—	—	3,250	—	—	—	3,250
China .....	---	---	0	0	—	—	2	—	1	—	3
Colombia .....	---	---	155	—	—	—	0	—	—	—	0
Costa Rica .....	---	---	0	—	—	—	602	—	—	—	602
Denmark .....	---	---	—	—	—	—	—	—	—	—	—
Dominican Republic .....	---	---	1	—	—	—	338	0	—	—	338
Ecuador .....	---	---	—	—	—	—	665	277	—	—	942
Egypt .....	---	---	0	—	—	—	—	—	—	—	—
El Salvador .....	---	---	—	—	—	—	2	310	60	—	372
Finland .....	---	---	98	—	—	—	120	—	—	—	120
France .....	---	---	—	—	—	—	1,054	—	—	—	1,054
Germany .....	---	---	—	2	—	—	288	—	—	—	288
Ghana .....	---	---	—	—	—	—	—	—	—	—	—
Gibraltar .....	---	---	—	—	—	—	699	297	—	—	996
Greece .....	---	---	—	—	—	—	—	—	—	—	—
Guatemala .....	---	---	—	—	—	—	865	109	—	—	973
Honduras .....	---	---	—	—	—	—	250	117	95	—	462
Hong Kong .....	---	---	—	—	—	—	—	—	—	—	—
India .....	---	---	324	—	—	—	1	—	—	—	1
Indonesia .....	---	---	0	—	—	—	0	—	—	—	0
Ireland .....	---	---	0	—	—	—	—	—	—	—	—
Israel .....	---	---	1	—	—	—	0	—	—	—	0
Italy .....	---	---	—	—	—	—	300	—	—	—	300
Jamaica .....	---	---	—	—	—	—	83	1	93	—	177
Japan .....	---	---	0	—	—	—	1	—	—	—	1
Korea, South .....	---	---	10	1	—	—	2	—	—	—	2
Lebanon .....	---	---	—	—	—	—	—	—	—	—	—
Mexico .....	---	---	97	0	—	—	7,043	102	3	—	7,147
Montenegro .....	---	---	—	—	—	—	—	—	—	—	—
Morocco .....	---	---	—	—	—	—	125	—	—	—	125
Mozambique .....	---	---	—	—	—	—	—	—	—	—	—
Netherlands .....	---	---	0	—	—	—	1,633	—	—	—	1,633
New Zealand .....	---	---	—	—	—	—	—	—	—	—	—
Nicaragua .....	---	---	—	—	—	—	120	—	80	—	200
Nigeria .....	---	---	—	—	—	—	0	—	—	—	0
Norway .....	---	---	—	—	—	—	4	—	—	—	4
Pakistan .....	---	---	—	—	—	—	—	—	—	—	—
Panama .....	---	---	0	—	—	—	1,307	330	57	—	1,694
Peru .....	---	---	114	18	—	—	1,602	—	—	—	1,602
Philippines .....	---	---	63	—	—	—	—	—	—	—	—
Portugal .....	---	---	—	—	—	—	—	—	—	—	—
Puerto Rico .....	---	---	3	—	—	—	0	0	—	—	0
Romania .....	---	---	—	—	—	—	—	—	—	—	—
Saudi Arabia .....	---	---	78	—	—	—	1,008	—	—	—	1,008
Serbia (Excludes Kosovo) ..	---	---	—	—	—	—	—	—	—	—	—
Singapore .....	---	---	0	—	—	—	645	—	—	—	645
South Africa .....	---	---	—	—	—	—	—	—	—	—	—
Spain .....	---	---	—	—	—	—	930	—	—	—	930
Switzerland .....	---	---	97	—	—	—	—	—	—	—	—
Taiwan .....	---	---	—	—	—	—	—	—	—	—	—
Thailand .....	---	---	—	—	—	—	—	—	—	—	—
Trinidad and Tobago .....	---	---	0	—	—	—	357	473	1	—	831
Turkey .....	---	---	16	—	—	—	—	—	—	—	—
United Arab Emirates .....	---	---	24	—	—	—	—	—	—	—	—
United Kingdom .....	---	---	—	—	—	—	656	—	—	—	656
Venezuela .....	---	---	—	—	—	—	0	0	—	—	0
Other .....	---	---	1	1	—	—	871	29	—	—	901
<b>Total .....</b>	<b>---</b>	<b>---</b>	<b>1,848</b>	<b>426</b>	<b>—</b>	<b>—</b>	<b>31,464</b>	<b>3,121</b>	<b>734</b>	<b>—</b>	<b>35,318</b>

See footnotes at end of table.

**Table 51. Exports of Crude Oil and Petroleum Products by Destination, September 2020**  
(Thousand Barrels) — Continued

Destination	Kerosene	Finished Aviation Gasoline	Aviation Gasoline Blending Components	Kerosene-Type Jet Fuel	Special Naphthas	Residual Fuel Oil	Petrochemical Feedstocks	
							Naphtha	Other Oils
Argentina .....	—	—	—	—	—	—	—	—
Australia .....	—	—	—	—	—	—	—	—
Bahamas .....	—	—	—	0	—	495	—	—
Bahrain .....	—	—	—	—	—	—	—	—
Belgium .....	—	—	—	—	—	—	—	—
Belize .....	—	—	—	—	—	—	—	—
Brazil .....	—	—	—	—	—	—	—	—
Canada .....	265	—	—	219	—	349	—	—
Cayman Islands .....	0	—	—	—	—	—	—	—
Chile .....	—	—	—	0	—	—	—	—
China .....	0	—	—	—	—	0	—	—
Colombia .....	—	—	—	1	—	—	—	—
Costa Rica .....	0	—	—	—	—	—	—	—
Denmark .....	—	—	—	—	—	—	—	—
Dominican Republic .....	0	—	—	0	—	195	—	—
Ecuador .....	0	—	—	—	—	—	—	—
Egypt .....	—	—	—	—	—	—	—	—
El Salvador .....	0	—	—	—	—	—	—	—
Finland .....	0	—	—	—	—	0	—	—
France .....	—	—	—	—	—	0	—	—
Germany .....	—	—	—	—	—	—	—	—
Ghana .....	—	—	—	—	—	—	—	—
Gibraltar .....	—	—	—	—	—	—	—	—
Greece .....	—	—	—	—	—	—	—	—
Guatemala .....	0	—	—	22	—	—	—	—
Honduras .....	0	—	—	21	—	—	—	—
Hong Kong .....	—	—	—	—	—	—	—	—
India .....	—	—	—	—	—	—	—	—
Indonesia .....	—	—	—	—	—	—	—	—
Ireland .....	—	—	—	—	—	—	—	—
Israel .....	—	—	—	333	—	—	—	—
Italy .....	—	—	—	—	—	—	—	—
Jamaica .....	—	—	—	0	—	—	—	—
Japan .....	0	—	—	0	—	—	—	—
Korea, South .....	—	—	—	—	—	—	—	—
Lebanon .....	—	—	—	—	—	793	—	—
Mexico .....	174	—	—	638	—	458	—	—
Montenegro .....	—	—	—	—	—	—	—	—
Morocco .....	—	—	—	—	—	—	—	—
Mozambique .....	—	—	—	—	—	—	—	—
Netherlands .....	—	—	—	0	—	607	—	—
New Zealand .....	—	—	—	—	—	—	—	—
Nicaragua .....	0	—	—	80	—	—	—	—
Nigeria .....	—	—	—	—	—	—	—	—
Norway .....	—	—	—	—	—	—	—	—
Pakistan .....	—	—	—	—	—	—	—	—
Panama .....	0	—	—	45	—	683	—	—
Peru .....	—	—	—	—	—	—	—	—
Philippines .....	—	—	—	—	—	—	—	—
Portugal .....	—	—	—	—	—	—	—	—
Puerto Rico .....	—	—	—	0	—	—	—	—
Romania .....	—	—	—	—	—	0	—	—
Saudi Arabia .....	—	—	—	—	—	—	—	—
Serbia (Excludes Kosovo) ..	—	—	—	—	—	—	—	—
Singapore .....	—	—	—	—	—	310	—	—
South Africa .....	—	—	—	—	—	0	—	—
Spain .....	—	—	—	—	—	—	—	—
Switzerland .....	—	—	—	—	—	—	—	—
Taiwan .....	—	—	—	—	—	1	—	—
Thailand .....	—	—	—	—	—	—	—	—
Trinidad and Tobago .....	—	—	—	—	—	—	—	—
Turkey .....	0	—	—	—	—	—	—	—
United Arab Emirates .....	1	—	—	—	—	—	—	—
United Kingdom .....	—	—	—	—	—	—	—	—
Venezuela .....	—	—	—	—	—	—	—	—
Other .....	1	—	—	4	—	340	—	—
<b>Total .....</b>	<b>441</b>	<b>—</b>	<b>—</b>	<b>1,363</b>	<b>—</b>	<b>4,231</b>	<b>—</b>	<b>—</b>

See footnotes at end of table.

**Table 51. Exports of Crude Oil and Petroleum Products by Destination, September 2020**  
(Thousand Barrels) — Continued

Destination	Waxes	Petroleum Coke	Asphalt and Road Oil	Lubricants	Miscellaneous Products	Total Products	Total Crude Oil and Products	Daily Average		
								Crude Oil	Products	Total
Argentina .....	0	—	—	170	0	420	420	—	14	14
Australia .....	2	44	71	5	—	1,025	3,077	68	34	103
Bahamas .....	—	—	1	3	—	2,968	2,968	—	99	99
Bahrain .....	0	—	—	0	—	1	1	—	0	0
Belgium .....	—	1	—	534	1	2,117	2,117	—	71	71
Belize .....	—	—	—	0	—	380	380	—	13	13
Brazil .....	2	1,283	—	403	1	12,718	13,619	30	424	454
Canada .....	104	326	310	280	8	15,222	31,335	537	507	1,045
Cayman Islands .....	—	—	1	1	—	94	94	—	3	3
Chile .....	1	1	—	77	—	4,214	4,214	—	140	140
China .....	2	1,731	1	13	0	9,140	30,513	712	305	1,017
Colombia .....	0	0	0	75	0	1,504	2,054	18	50	68
Costa Rica .....	0	182	33	6	—	1,610	1,610	—	54	54
Denmark .....	—	—	—	—	—	—	726	24	—	24
Dominican Republic .....	0	179	—	9	0	2,134	2,134	—	71	71
Ecuador .....	—	177	0	63	—	2,497	2,497	—	83	83
Egypt .....	—	—	1	0	—	1	1	—	0	0
El Salvador .....	0	—	—	25	—	1,010	1,010	—	34	34
Finland .....	—	—	—	0	—	441	441	—	15	15
France .....	0	602	—	1	—	3,038	6,644	120	101	221
Germany .....	4	—	0	2	0	307	6,832	217	10	228
Ghana .....	—	—	—	1	—	1	1	—	0	0
Gibraltar .....	—	—	—	—	—	1,544	1,544	—	51	51
Greece .....	—	159	—	0	—	159	159	—	5	5
Guatemala .....	0	—	—	15	—	2,446	2,446	—	82	82
Honduras .....	0	303	81	10	0	1,515	1,515	—	51	51
Hong Kong .....	0	—	—	1	0	1	1	—	0	0
India .....	3	1,980	0	127	0	4,589	12,856	276	153	429
Indonesia .....	—	0	0	1	—	3,255	3,255	—	109	109
Ireland .....	—	—	—	0	0	0	2,441	81	0	81
Israel .....	—	—	—	45	0	411	411	—	14	14
Italy .....	0	799	—	0	—	1,099	6,132	168	37	204
Jamaica .....	—	—	0	4	0	274	274	—	9	9
Japan .....	1	1,487	1	22	4	11,754	11,754	—	392	392
Korea, South .....	0	0	1	11	0	5,582	12,932	245	186	431
Lebanon .....	—	121	—	0	—	915	915	—	30	30
Mexico .....	20	1,285	216	853	16	31,156	31,156	—	1,039	1,039
Montenegro .....	—	—	—	—	—	—	—	—	—	—
Morocco .....	—	293	—	0	—	1,166	1,166	—	39	39
Mozambique .....	—	55	—	—	—	55	55	—	2	2
Netherlands .....	3	217	1	55	0	6,438	11,195	159	215	373
New Zealand .....	0	99	0	1	—	100	100	—	3	3
Nicaragua .....	—	—	—	3	—	440	588	5	15	20
Nigeria .....	—	—	—	0	—	225	225	—	8	8
Norway .....	—	45	—	1	—	1,061	1,061	—	35	35
Pakistan .....	—	—	0	0	—	0	0	—	0	0
Panama .....	—	—	—	21	—	2,990	3,942	32	100	131
Peru .....	0	—	—	126	2	2,853	2,853	—	95	95
Philippines .....	—	0	—	1	—	64	64	—	2	2
Portugal .....	—	138	—	2	—	860	2,305	48	29	77
Puerto Rico .....	—	—	1	10	—	371	371	—	12	12
Romania .....	—	61	—	0	—	61	61	—	2	2
Saudi Arabia .....	0	—	0	6	—	1,092	1,092	—	36	36
Serbia (Excludes Kosovo) ..	—	—	—	—	—	—	—	—	—	—
Singapore .....	0	—	0	2	0	1,274	3,268	66	42	109
South Africa .....	0	55	—	4	—	60	60	—	2	2
Spain .....	—	162	—	1	—	1,173	2,630	49	39	88
Switzerland .....	—	—	0	0	—	97	97	—	3	3
Taiwan .....	0	—	0	4	0	325	3,631	110	11	121
Thailand .....	0	—	0	2	0	4	4	—	0	0
Trinidad and Tobago .....	0	—	—	3	—	835	835	—	28	28
Turkey .....	0	928	—	22	—	2,410	2,410	—	80	80
United Arab Emirates .....	0	—	0	15	—	40	815	26	1	27
United Kingdom .....	1	0	—	2	0	1,458	7,250	193	49	242
Venezuela .....	—	—	—	4	0	5	5	—	0	0
Other .....	2	151	1	56	3	3,144	4,731	54	104	157
<b>Total .....</b>	<b>145</b>	<b>12,864</b>	<b>720</b>	<b>3,098</b>	<b>35</b>	<b>154,143</b>	<b>251,293</b>	<b>3,238</b>	<b>5,138</b>	<b>8,376</b>

— = Not Applicable.

— = No Data Reported.

<sup>1</sup> On December 18, 2015, the U.S. enacted legislation authorizing the export of U.S. crude oil without a license. Exports to embargoed or sanctioned countries continue to require authorization.

Note: Totals may not equal sum of components due to independent rounding.

Sources: U.S. Census Bureau and EIA estimates.

**Table 52. Year-to-Date Exports of Crude Oil and Petroleum Products by Destination, January-September 2020**  
(Thousand Barrels)

Destination	Crude Oil <sup>1</sup>	Natural Gas Liquids	Refinery Olefins	Unfinished Oils	Finished Motor Gasoline			Motor Gasoline Blending Components		
					Reformulated	Conventional	Total	Reformulated	Conventional	Total
Argentina .....	—	0	--	1,156	—	794	794	—	—	—
Australia .....	9,974	3,465	--	18	—	1	1	1	0	1
Bahamas .....	4,761	1,192	--	0	—	1,088	1,088	1	488	489
Bahrain .....	—	—	--	0	—	5	5	0	—	0
Belgium .....	1,715	4,304	--	901	—	324	324	—	—	—
Belize .....	—	119	--	—	—	256	256	—	—	—
Brazil .....	7,418	14,031	--	10,228	—	16,500	16,500	—	690	690
Canada .....	109,809	87,376	--	12,605	—	6,355	6,355	—	6,501	6,501
Cayman Islands .....	—	0	--	0	—	57	57	2	44	47
Chile .....	7,167	9,150	--	248	—	2,671	2,671	—	114	114
China .....	122,629	38,948	--	995	—	8	8	—	—	—
Colombia .....	3,883	329	--	9,915	—	4,345	4,345	—	647	647
Costa Rica .....	—	1,205	--	18	—	4,243	4,243	—	—	—
Denmark .....	11,172	—	--	60	—	—	—	—	0	0
Dominican Republic .....	3,012	8,882	--	3	—	2,288	2,288	0	156	156
Ecuador .....	—	9,142	--	39	—	2,397	2,397	0	1,372	1,372
Egypt .....	—	1,810	--	—	—	—	—	—	—	—
El Salvador .....	—	2,274	--	6	—	2,897	2,897	—	0	0
Finland .....	—	1,805	--	1	—	0	0	0	—	0
France .....	21,538	6,786	--	802	—	0	0	—	—	—
Germany .....	31,588	222	--	57	—	3	3	—	0	0
Ghana .....	—	374	--	0	—	0	0	—	—	—
Gibraltar .....	680	2,617	--	—	—	—	—	—	—	—
Greece .....	3,284	0	--	0	—	0	0	—	—	—
Guatemala .....	—	2,725	--	46	—	8,569	8,569	0	0	0
Honduras .....	—	3,703	--	5	—	3,033	3,033	1	0	1
Hong Kong .....	—	4	--	520	—	—	—	—	0	0
India .....	63,738	28,329	--	73	—	0	0	0	—	0
Indonesia .....	4,729	21,405	--	15	—	1,348	1,348	—	—	—
Ireland .....	12,101	—	--	0	—	—	—	—	—	—
Israel .....	3,847	4	--	72	—	9	9	—	0	0
Italy .....	41,068	617	--	68	—	0	0	—	—	—
Jamaica .....	—	463	--	74	—	1,064	1,064	—	53	53
Japan .....	4,044	119,369	--	11,566	—	314	314	6	—	6
Korea, South .....	78,158	35,259	--	8,242	—	10	10	10	56	66
Lebanon .....	—	—	--	1	—	—	—	—	—	—
Mexico .....	—	44,343	--	3,402	—	107,319	107,319	534	4,623	5,157
Montenegro .....	—	—	--	—	—	—	—	—	—	—
Morocco .....	—	6,497	--	—	—	—	—	—	—	—
Mozambique .....	—	—	--	—	—	—	—	—	—	—
Netherlands .....	78,189	18,751	--	3,889	—	560	560	—	289	289
New Zealand .....	735	2	--	0	—	—	—	0	0	0
Nicaragua .....	2,907	0	--	304	—	136	136	—	—	—
Nigeria .....	—	3,697	--	0	—	637	637	—	—	—
Norway .....	1,301	7,623	--	393	—	—	—	—	—	—
Pakistan .....	—	—	--	—	—	1	1	—	—	—
Panama .....	3,724	820	--	100	—	6,980	6,980	—	11	11
Peru .....	5,418	1,249	--	301	—	4,671	4,671	—	476	476
Philippines .....	—	0	--	1	—	290	290	—	—	—
Portugal .....	3,947	4,453	--	—	—	1	1	—	—	—
Puerto Rico .....	—	180	--	17	—	592	592	1	3	5
Romania .....	—	—	--	0	—	—	—	—	—	—
Saudi Arabia .....	—	0	--	7	—	4	4	—	0	0
Serbia (Excludes Kosovo) ..	—	—	--	—	—	—	—	—	—	—
Singapore .....	32,693	3,832	--	2,125	—	3,243	3,243	0	488	488
South Africa .....	5,179	3,096	--	0	—	636	636	0	—	0
Spain .....	19,277	8,065	--	105	—	—	—	—	—	—
Switzerland .....	750	1,708	--	0	—	—	—	—	0	0
Taiwan .....	49,462	6,127	--	2,705	—	3	3	0	0	0
Thailand .....	22,250	0	--	6	—	—	—	—	0	0
Trinidad and Tobago .....	—	0	--	0	—	1,110	1,110	—	—	—
Turkey .....	—	7,286	--	0	—	1	1	—	—	—
United Arab Emirates .....	6,807	0	--	528	—	26	26	—	0	0
United Kingdom .....	68,015	18,660	--	1	—	62	62	0	273	273
Venezuela .....	—	2	--	1	—	11	11	7	0	8
Other .....	37,941	19,660	--	678	—	2,551	2,551	5	284	286
<b>Total .....</b>	<b>884,910</b>	<b>561,960</b>	<b>--</b>	<b>72,297</b>	<b>—</b>	<b>187,413</b>	<b>187,413</b>	<b>568</b>	<b>16,568</b>	<b>17,136</b>

See footnotes at end of table.

**Table 52. Year-to-Date Exports of Crude Oil and Petroleum Products by Destination, January-September 2020**  
(Thousand Barrels) — Continued

Destination	Oxygenates		Renewable Fuels				Distillate Fuel Oil				
	Methyl Tertiary Butyl Ether (MTBE)	Other Oxygenates	Fuel Ethanol	Biomass-Based Diesel	Other Renewable Diesel	Other Renewable Fuels	15 ppm sulfur and under	Greater than 15 ppm to 500 ppm sulfur	501 to 2000 ppm	Greater than 2000 ppm	Total
Argentina .....	---	---	0	—	—	—	4,811	—	—	—	4,811
Australia .....	---	---	68	—	—	—	1,268	—	—	—	1,268
Bahamas .....	---	---	1	—	—	—	5,438	595	2,244	—	8,277
Bahrain .....	---	---	0	—	—	—	—	—	—	—	—
Belgium .....	---	---	3	0	—	—	991	396	—	—	1,387
Belize .....	---	---	0	—	—	—	321	655	—	—	975
Brazil .....	---	---	4,260	—	—	—	44,165	3,764	2,313	—	50,243
Canada .....	---	---	5,546	2,839	—	—	8	3,270	1,318	—	4,596
Cayman Islands .....	---	---	0	—	—	—	659	—	—	—	659
Chile .....	---	---	8	—	—	—	27,926	299	593	—	28,817
China .....	---	---	2	88	—	—	332	—	1	—	333
Colombia .....	---	---	1,005	—	—	—	6,471	0	—	—	6,471
Costa Rica .....	---	---	2	—	—	—	5,509	121	—	—	5,630
Denmark .....	---	---	0	0	—	—	295	—	—	—	295
Dominican Republic .....	---	---	5	—	—	—	2,080	101	1,164	—	3,345
Ecuador .....	---	---	0	—	—	—	8,606	847	2,702	—	12,155
Egypt .....	---	---	2	—	—	—	0	—	—	—	0
El Salvador .....	---	---	—	—	—	—	798	1,557	257	—	2,613
Finland .....	---	---	377	—	—	—	204	—	—	—	204
France .....	---	---	108	—	—	—	10,493	—	0	—	10,493
Germany .....	---	---	0	7	—	—	498	0	—	—	498
Ghana .....	---	---	0	—	—	—	—	—	—	—	—
Gibraltar .....	---	---	—	—	—	—	5,043	1,283	2,496	—	8,822
Greece .....	---	---	0	—	—	—	291	—	—	—	291
Guatemala .....	---	---	0	0	—	—	3,081	4,987	1,275	—	9,344
Honduras .....	---	---	0	—	—	—	3,138	1,249	1,084	—	5,471
Hong Kong .....	---	---	0	—	—	—	0	—	—	—	0
India .....	---	---	3,834	—	—	—	5	—	—	—	5
Indonesia .....	---	---	0	—	—	—	1,205	—	—	—	1,205
Ireland .....	---	---	0	—	—	—	—	—	—	—	—
Israel .....	---	---	17	—	—	—	2	—	—	—	2
Italy .....	---	---	4	—	—	—	695	—	—	—	695
Jamaica .....	---	---	338	—	—	—	1,611	1	408	—	2,020
Japan .....	---	---	87	—	—	—	3	1	—	—	4
Korea, South .....	---	---	1,693	5	—	—	21	—	—	—	21
Lebanon .....	---	---	—	—	—	—	150	—	—	—	150
Mexico .....	---	---	1,349	6	—	—	67,198	471	870	—	68,539
Montenegro .....	---	---	—	—	—	—	—	—	—	—	—
Morocco .....	---	---	0	—	—	—	4,164	—	299	—	4,463
Mozambique .....	---	---	—	—	—	—	—	—	—	—	—
Netherlands .....	---	---	1,131	99	—	—	11,207	1,433	1,357	—	13,997
New Zealand .....	---	---	0	—	—	—	0	—	—	—	0
Nicaragua .....	---	---	0	—	—	—	196	262	232	—	690
Nigeria .....	---	---	655	—	—	—	1	—	—	—	1
Norway .....	---	---	147	25	—	—	369	—	—	—	369
Pakistan .....	---	---	—	—	—	—	—	—	—	—	—
Panama .....	---	---	0	—	—	—	15,096	3,636	1,691	—	20,423
Peru .....	---	---	715	61	—	—	14,963	—	100	—	15,063
Philippines .....	---	---	800	—	—	—	0	—	—	—	0
Portugal .....	---	---	0	—	—	—	—	—	—	—	—
Puerto Rico .....	---	---	27	0	—	—	3	2	—	—	6
Romania .....	---	---	—	—	—	—	268	—	—	—	268
Saudi Arabia .....	---	---	220	—	—	—	1,010	—	—	—	1,010
Serbia (Excludes Kosovo) ..	---	---	—	—	—	—	—	—	—	—	—
Singapore .....	---	---	5	0	—	—	8,016	589	560	—	9,165
South Africa .....	---	---	0	—	—	—	1	—	—	—	1
Spain .....	---	---	16	—	—	—	3,085	297	317	—	3,699
Switzerland .....	---	---	211	—	—	—	445	—	—	—	445
Taiwan .....	---	---	11	—	—	—	1	—	—	—	1
Thailand .....	---	---	0	—	—	—	0	—	—	—	0
Trinidad and Tobago .....	---	---	0	—	—	—	948	2,199	992	—	4,139
Turkey .....	---	---	160	—	—	—	355	—	—	—	355
United Arab Emirates .....	---	---	43	—	—	—	0	—	—	—	0
United Kingdom .....	---	---	453	—	—	—	10,178	—	550	—	10,728
Venezuela .....	---	---	—	—	—	—	17	0	—	—	17
Other .....	---	---	251	—	—	—	9,622	1,956	3,019	—	14,596
<b>Total .....</b>	<b>---</b>	<b>---</b>	<b>23,554</b>	<b>3,130</b>	<b>—</b>	<b>—</b>	<b>283,261</b>	<b>29,971</b>	<b>25,842</b>	<b>—</b>	<b>339,075</b>

See footnotes at end of table.

**Table 52. Year-to-Date Exports of Crude Oil and Petroleum Products by Destination, January-September 2020**  
(Thousand Barrels) — Continued

Destination	Kerosene	Finished Aviation Gasoline	Aviation Gasoline Blending Components	Kerosene-Type Jet Fuel	Special Naphthas	Residual Fuel Oil	Petrochemical Feedstocks	
							Naphtha	Other Oils
Argentina .....	0	—	—	62	—	—	—	—
Australia .....	0	—	—	0	—	0	—	—
Bahamas .....	0	—	—	915	—	4,686	—	—
Bahrain .....	—	—	—	—	—	—	—	—
Belgium .....	—	—	—	—	—	—	—	—
Belize .....	—	—	—	26	—	—	—	—
Brazil .....	0	—	—	641	—	922	—	—
Canada .....	443	—	—	6,089	—	5,755	—	—
Cayman Islands .....	1	—	—	65	—	0	—	—
Chile .....	0	—	—	386	—	907	—	—
China .....	0	—	—	2	—	11	—	—
Colombia .....	—	—	—	191	—	0	—	—
Costa Rica .....	0	—	—	658	—	475	—	—
Denmark .....	—	—	—	—	—	—	—	—
Dominican Republic .....	1	—	—	830	—	1,217	—	—
Ecuador .....	1	—	—	8	—	214	—	—
Egypt .....	—	—	—	—	—	0	—	—
El Salvador .....	0	—	—	94	—	0	—	—
Finland .....	0	—	—	300	—	0	—	—
France .....	—	—	—	—	—	0	—	—
Germany .....	—	—	—	—	—	1	—	—
Ghana .....	—	—	—	—	—	—	—	—
Gibraltar .....	—	—	—	—	—	—	—	—
Greece .....	—	—	—	—	—	132	—	—
Guatemala .....	0	—	—	307	—	13	—	—
Honduras .....	0	—	—	215	—	704	—	—
Hong Kong .....	—	—	—	0	—	—	—	—
India .....	0	—	—	—	—	1	—	—
Indonesia .....	—	—	—	—	—	—	—	—
Ireland .....	0	—	—	—	—	—	—	—
Israel .....	1	—	—	1,000	—	0	—	—
Italy .....	—	—	—	908	—	—	—	—
Jamaica .....	0	—	—	260	—	1,613	—	—
Japan .....	0	—	—	0	—	0	—	—
Korea, South .....	—	—	—	0	—	0	—	—
Lebanon .....	—	—	—	—	—	2,461	—	—
Mexico .....	484	—	—	8,572	—	7,164	—	—
Montenegro .....	—	—	—	—	—	—	—	—
Morocco .....	—	—	—	—	—	433	—	—
Mozambique .....	—	—	—	—	—	—	—	—
Netherlands .....	—	—	—	632	—	2,600	—	—
New Zealand .....	0	—	—	—	—	0	—	—
Nicaragua .....	0	—	—	540	—	—	—	—
Nigeria .....	—	—	—	0	—	0	—	—
Norway .....	—	—	—	—	—	—	—	—
Pakistan .....	—	—	—	—	—	—	—	—
Panama .....	0	—	—	1,375	—	4,966	—	—
Peru .....	0	—	—	659	—	0	—	—
Philippines .....	—	—	—	0	—	—	—	—
Portugal .....	—	—	—	—	—	—	—	—
Puerto Rico .....	1	—	—	1	—	6	—	—
Romania .....	—	—	—	—	—	0	—	—
Saudi Arabia .....	—	—	—	—	—	580	—	—
Serbia (Excludes Kosovo) ..	—	—	—	—	—	—	—	—
Singapore .....	0	—	—	207	—	5,322	—	—
South Africa .....	—	—	—	—	—	0	—	—
Spain .....	—	—	—	4	—	370	—	—
Switzerland .....	—	—	—	110	—	—	—	—
Taiwan .....	—	—	—	1	—	7	—	—
Thailand .....	—	—	—	0	—	0	—	—
Trinidad and Tobago .....	0	—	—	861	—	—	—	—
Turkey .....	0	—	—	—	—	0	—	—
United Arab Emirates .....	2	—	—	1	—	1	—	—
United Kingdom .....	0	—	—	972	—	421	—	—
Venezuela .....	—	—	—	—	—	0	—	—
Other .....	27	—	—	1,574	—	1,330	—	—
<b>Total .....</b>	<b>961</b>	<b>—</b>	<b>—</b>	<b>28,466</b>	<b>—</b>	<b>42,312</b>	<b>—</b>	<b>—</b>

See footnotes at end of table.

**Table 52. Year-to-Date Exports of Crude Oil and Petroleum Products by Destination, January-September 2020**  
(Thousand Barrels) — Continued

Destination	Waxes	Petroleum Coke	Asphalt and Road Oil	Lubricants	Miscellaneous Products	Total Products	Total Crude Oil and Products	Daily Average		
								Crude Oil	Products	Total
Argentina .....	1	156	0	810	0	7,792	7,792	—	28	28
Australia .....	9	2,011	231	50	1	7,123	17,097	36	26	62
Bahamas .....	—	—	12	20	0	16,679	21,440	17	61	78
Bahrain .....	0	—	—	3	—	8	8	—	0	0
Belgium .....	0	712	173	3,188	9	11,000	12,714	6	40	46
Belize .....	—	—	—	8	—	1,386	1,386	—	5	5
Brazil .....	8	10,482	0	2,801	7	110,812	118,230	27	404	431
Canada .....	759	6,332	1,394	2,237	69	148,897	258,707	401	543	944
Cayman Islands .....	—	—	28	9	—	867	867	—	3	3
Chile .....	3	1	302	531	4	43,142	50,309	26	157	184
China .....	13	15,663	8	152	7	56,230	178,858	448	205	653
Colombia .....	2	1	46	677	2	23,632	27,515	14	86	100
Costa Rica .....	1	479	328	110	0	13,148	13,148	—	48	48
Denmark .....	0	442	—	0	—	797	11,970	41	3	44
Dominican Republic .....	1	1,081	597	127	1	18,534	21,546	11	68	79
Ecuador .....	1	1,295	0	276	0	26,899	26,899	—	98	98
Egypt .....	0	1,904	3	5	—	3,725	3,725	—	14	14
El Salvador .....	1	281	0	165	0	8,333	8,333	—	30	30
Finland .....	0	—	—	3	—	2,691	2,691	—	10	10
France .....	3	1,438	—	70	—	19,701	41,239	79	72	151
Germany .....	40	602	12	19	2	1,463	33,051	115	5	121
Ghana .....	—	—	—	4	—	378	378	—	1	1
Gibraltar .....	—	—	—	—	—	11,439	12,119	2	42	44
Greece .....	—	1,807	—	3	—	2,232	5,516	12	8	20
Guatemala .....	1	2,294	0	127	—	23,427	23,427	—	85	85
Honduras .....	1	2,426	149	67	0	15,775	15,775	—	58	58
Hong Kong .....	0	—	0	10	1	537	537	—	2	2
India .....	16	25,987	1	963	2	59,214	122,951	233	216	449
Indonesia .....	0	0	5	13	0	23,993	28,722	17	88	105
Ireland .....	—	149	—	1	0	150	12,251	44	1	45
Israel .....	0	1,339	—	457	0	2,902	6,749	14	11	25
Italy .....	28	4,074	0	2	0	6,397	47,465	150	23	173
Jamaica .....	0	78	207	82	1	6,253	6,253	—	23	23
Japan .....	6	14,448	5	106	34	145,944	149,988	15	533	547
Korea, South .....	2	1,340	5	64	3	46,709	124,867	285	170	456
Lebanon .....	—	121	—	2	—	2,734	2,734	—	10	10
Mexico .....	153	14,089	2,432	7,938	209	271,154	271,154	—	990	990
Montenegro .....	—	—	0	—	—	0	0	—	0	0
Morocco .....	—	3,490	—	0	—	14,883	14,883	—	54	54
Mozambique .....	—	654	—	—	—	654	654	—	2	2
Netherlands .....	94	2,559	8	321	3	44,933	123,122	285	164	449
New Zealand .....	0	352	0	5	—	360	1,095	3	1	4
Nicaragua .....	0	0	0	32	—	1,702	4,610	11	6	17
Nigeria .....	—	532	0	644	—	6,166	6,166	—	23	23
Norway .....	0	769	—	2	0	9,328	10,628	5	34	39
Pakistan .....	0	2,874	0	15	0	2,891	2,891	—	11	11
Panama .....	0	265	103	707	0	35,750	39,474	14	130	144
Peru .....	1	0	0	383	3	23,583	29,001	20	86	106
Philippines .....	1	552	—	11	1	1,656	1,656	—	6	6
Portugal .....	0	691	—	3	—	5,148	9,094	14	19	33
Puerto Rico .....	0	—	100	91	—	1,026	1,026	—	4	4
Romania .....	—	1,160	—	1	—	1,429	1,429	—	5	5
Saudi Arabia .....	1	283	175	118	0	2,398	2,398	—	9	9
Serbia (Excludes Kosovo) ..	—	—	—	—	—	—	—	—	—	—
Singapore .....	0	0	63	631	0	25,081	57,774	119	92	211
South Africa .....	1	688	1	369	—	4,792	9,971	19	17	36
Spain .....	9	3,291	0	11	0	15,570	34,846	70	57	127
Switzerland .....	0	1,306	35	0	—	3,816	4,566	3	14	17
Taiwan .....	20	0	2	49	1	8,928	58,390	181	33	213
Thailand .....	0	749	1	26	2	784	23,034	81	3	84
Trinidad and Tobago .....	0	1	0	75	0	6,187	6,187	—	23	23
Turkey .....	0	10,372	0	101	—	18,275	18,275	—	67	67
United Arab Emirates .....	0	1,024	5	433	—	2,064	8,872	25	8	32
United Kingdom .....	6	1,081	1	13	0	32,670	100,684	248	119	367
Venezuela .....	—	—	—	36	0	76	76	—	0	0
Other .....	6	4,763	32	490	11	46,236	84,180	139	169	308
<b>Total .....</b>	<b>1,188</b>	<b>148,488</b>	<b>6,464</b>	<b>25,667</b>	<b>373</b>	<b>1,458,483</b>	<b>2,343,393</b>	<b>3,230</b>	<b>5,323</b>	<b>8,553</b>

-- = Not Applicable.

— = No Data Reported.

<sup>1</sup> On December 18, 2015, the U.S. enacted legislation authorizing the export of U.S. crude oil without a license. Exports to embargoed or sanctioned countries continue to require authorization.

Note: Totals may not equal sum of components due to independent rounding.

Sources: U.S. Census Bureau and EIA estimates.

**Table 53. Net Imports of Crude Oil and Petroleum Products into the United States by Country, September 2020**  
(Thousand Barrels per Day)

Country of Origin	Crude Oil <sup>1</sup>	Natural Gas Liquids	Refinery Olefins	Unfinished Oils	Finished Motor Gasoline			Motor Gasoline Blending Components		
					Reformulated	Conventional	Total	Reformulated	Conventional	Total
<b>OPEC</b>	<b>556</b>	<b>-7</b>	<b>-</b>	<b>14</b>	<b>-</b>	<b>11</b>	<b>11</b>	<b>-</b>	<b>10</b>	<b>10</b>
Algeria	-	-	-	3	-	-	-	-	-	-
Angola	32	-	-	-	-	-	-	-	-	-
Congo (Brazzaville)	32	-	-	-	-	-	-	-	-	-
Equatorial Guinea	-	1	-	-	-	-	-	-	-	-
Gabon	-	-	-	-	-	-	-	-	-	-
Iran	-	-	-	-	-	-	-	-	-	-
Iraq	83	-	-	-	-	-	-	-	-	-
Kuwait	18	-	-	-	-	-	-	-	-	-
Libya	-	-	-	0	-	-	-	-	-	-
Nigeria	70	-7	-	10	-	0	0	-	-	-
Saudi Arabia	347	-	-	0	-	11	11	-	-	-
United Arab Emirates	-26	0	-	-	-	0	0	-	10	10
Venezuela	-	0	-	0	-	0	0	-	-	-
<b>Non-OPEC</b>	<b>1,603</b>	<b>-1,852</b>	<b>15</b>	<b>265</b>	<b>-</b>	<b>-641</b>	<b>-641</b>	<b>192</b>	<b>311</b>	<b>503</b>
Argentina	56	-	-	0	-	1	1	-	4	4
Aruba	-	0	-	-	-	-3	-3	-	-	-
Australia	-68	-19	-	0	-	0	0	-	-	-
Bahamas	-	-31	-	-	-	-15	-15	0	-	0
Bahrain	-	-	-	0	-	0	0	-	-	-
Belgium	-	-34	-	0	-	-8	-8	-	11	11
Brazil	4	-53	-	-69	-	-72	-72	-	22	22
Brunei	-	-	-	-	-	-	-	-	-	-
Cameroon	21	-	-	-	-	-	-	-	-	-
Canada	2,903	-157	15	-16	-	-9	-9	99	7	106
Chad	-	-	-	-	-	-	-	-	-	-
China	-712	-246	-	0	-	-	-	-	-	-
Colombia	288	-1	-	-31	-	-	-	-	-11	-11
Denmark	-24	-	-	-	-	-	-	-	-	-
Dominican Republic	-	-32	-	0	-	-13	-13	-	-2	-2
Ecuador	197	-34	-	30	-	-10	-10	-	-	-
Estonia	-	-	-	-	-	-	-	-	-	-
Finland	-	-7	-	1	-	-	-	-	37	37
France	-120	-46	-	0	-	7	7	13	-	13
Germany	-217	-	-	5	-	-	-	-	-	-
Guatemala	6	-14	-	0	-	-34	-34	-	-	-
Honduras	-	-12	-	-	-	-9	-9	-	-	-
India	-276	-71	-	-1	-	-	-	-	58	58
Indonesia	-	-108	-	0	-	-	-	-	-	-
Italy	-168	-	-	17	-	0	0	-	13	13
Japan	-	-303	-	-38	-	-	-	0	-	0
Korea, South	-245	-148	-	-38	-	9	9	9	0	9
Latvia	-	-	-	-	-	-	-	-	-	-
Lithuania	-	-	-	-	-	13	13	-	-	-
Malaysia	-	0	-	17	-	0	0	-	-	-
Mexico	572	-170	-	67	-	-486	-486	0	-15	-15
Netherlands	-159	-96	-	-34	-	20	20	32	51	84
Norway	-	-34	-	5	-	2	2	5	4	8
Oman	-	-	-	0	-	-	-	-	-	-
Panama	-32	0	-	-	-	-18	-18	-	0	0
Portugal	-48	-24	-	-	-	19	19	-	-	-
Puerto Rico	-	-2	-	0	-	-10	-10	-	0	0
Qatar	-	-	-	-	-	-	-	-	-	-
Russia	86	-	-	364	-	1	1	-	31	31
Spain	-49	-	-	5	-	30	30	-	34	34
Sweden	-25	-	-	14	-	0	0	-	10	10
Trinidad and Tobago	51	0	-	0	-	0	0	-	-	-
United Kingdom	-180	-27	-	5	-	7	7	34	29	63
Vietnam	-	-	-	-	-	-	-	-	0	0
Virgin Islands, U.S.	-	-	-	-	-	0	0	-	-2	-2
Yemen	-	-	-	-	-	-	-	-	-	-
Other	-258	-183	0	-38	-	-63	-63	0	30	30
<b>Total</b>	<b>2,159</b>	<b>-1,858</b>	<b>15</b>	<b>279</b>	<b>-</b>	<b>-630</b>	<b>-630</b>	<b>192</b>	<b>321</b>	<b>514</b>
<b>Persian Gulf<sup>2</sup></b>	<b>423</b>	<b>0</b>	<b>-</b>	<b>0</b>	<b>-</b>	<b>11</b>	<b>11</b>	<b>-</b>	<b>10</b>	<b>10</b>

See footnotes at end of table.



**Table 53. Net Imports of Crude Oil and Petroleum Products into the United States by Country, September 2020**  
(Thousand Barrels per Day) — Continued

Country of Origin	Oxygenates		Renewable Fuels				Distillate Fuel Oil				
	Methyl Tertiary Butyl Ether (MTBE)	Other Oxygenates	Fuel Ethanol	Biomass-Based Diesel	Other Renewable Diesel	Other Renewable Fuels	15 ppm sulfur and under	Greater than 15 ppm to 500 ppm sulfur	501 to 2000 ppm	Greater than 2000 ppm	Total
<b>OPEC</b>	--	--	-3	0	-	-	-18	0	-	-	-18
Algeria	--	--	-	-	-	-	-	-	-	-	-
Angola	--	--	-	-	-	-	-	-	-	-	-
Congo (Brazzaville)	--	--	-	-	-	-	-	-	-	-	-
Equatorial Guinea	--	--	-	-	-	-	-	-	-	-	-
Gabon	--	--	-	-	-	-	-	-	-	-	-
Iran	--	--	-	-	-	-	-	-	-	-	-
Iraq	--	--	-	-	-	-	0	-	-	-	0
Kuwait	--	--	-	0	-	-	0	-	-	-	0
Libya	--	--	-	-	-	-	-	-	-	-	-
Nigeria	--	--	-	-	-	-	11	-	-	-	11
Saudi Arabia	--	--	-3	-	-	-	-28	-	-	-	-28
United Arab Emirates	--	--	-1	-	-	-	-	-	-	-	-
Venezuela	--	--	-	-	-	-	0	0	-	-	0
<b>Non-OPEC</b>	--	--	-44	-2	17	-	-853	-103	-24	-	-980
Argentina	--	--	-	-	-	-	-8	-	-	-	-8
Aruba	--	--	-	-	-	-	-2	-	-	-	-2
Australia	--	--	0	-	-	-	-11	-	-	-	-11
Bahamas	--	--	0	-	-	-	-27	-	-5	-	-32
Bahrain	--	--	-	-	-	-	-	-	-	-	-
Belgium	--	--	0	-	-	-	0	-8	-	-	-8
Brazil	--	--	15	-	-	-	-157	-7	-	-	-163
Brunei	--	--	-	-	-	-	-	-	-	-	-
Cameroon	--	--	-	-	-	-	-	-	-	-	-
Canada	--	--	-25	-6	-	-	106	-20	-7	-	79
Chad	--	--	-	-	-	-	-	-	-	-	-
China	--	--	0	0	-	-	0	-	0	-	0
Colombia	--	--	-5	-	-	-	39	-	-	-	39
Denmark	--	--	-	-	-	-	-	-	-	-	-
Dominican Republic	--	--	0	-	-	-	-11	0	-	-	-11
Ecuador	--	--	-	-	-	-	-22	-9	-	-	-31
Estonia	--	--	-	-	-	-	-	-	-	-	-
Finland	--	--	-3	-	-	-	-4	-	-	-	-4
France	--	--	-	-	-	-	-35	-	-	-	-35
Germany	--	--	-	0	-	-	-10	-	-	-	-10
Guatemala	--	--	-	-	-	-	-29	-4	-	-	-32
Honduras	--	--	-	-	-	-	-8	-4	-3	-	-15
India	--	--	-11	-	-	-	0	-	-	-	0
Indonesia	--	--	0	-	-	-	3	-	-	-	3
Italy	--	--	-	-	-	-	-10	-	-	-	-10
Japan	--	--	0	0	-	-	0	-	-	-	0
Korea, South	--	--	0	4	-	-	3	-	-	-	3
Latvia	--	--	-	-	-	-	0	-	-	-	0
Lithuania	--	--	-	-	-	-	-	-	-	-	-
Malaysia	--	--	0	-	-	-	4	-	-	-	4
Mexico	--	--	-3	0	-	-	-235	-3	0	-	-238
Netherlands	--	--	0	-	-	-	-54	-	-	-	-54
Norway	--	--	-	-	-	-	0	-	-	-	0
Oman	--	--	-	-	-	-	0	-	-	-	0
Panama	--	--	0	-	-	-	-44	-11	-2	-	-56
Portugal	--	--	-	-	-	-	-	-	-	-	-
Puerto Rico	--	--	0	-	-	-	0	0	-	-	0
Qatar	--	--	-	-	-	-	2	-	-	-	2
Russia	--	--	0	-	-	-	-	-	-	-	-
Spain	--	--	-	-	-	-	-31	-	-	-	-31
Sweden	--	--	-	-	-	-	-3	-	-	-	-3
Trinidad and Tobago	--	--	0	-	-	-	-12	-16	0	-	-28
United Kingdom	--	--	-	-	-	-	-22	-	-	-	-22
Vietnam	--	--	-	-	-	-	-	-	-	-	-
Virgin Islands, U.S.	--	--	-	-	-	-	-5	-	-	-	-5
Yemen	--	--	-	-	-	-	-	-	-	-	-
Other	--	--	-12	0	17	-	-270	-21	-7	-	-301
<b>Total</b>	--	--	-47	-2	17	-	-870	-103	-24	-	-997
<b>Persian Gulf<sup>2</sup></b>	--	--	-3	0	-	-	-26	-	-	-	-26

See footnotes at end of table.

**Table 53. Net Imports of Crude Oil and Petroleum Products into the United States by Country, September 2020**  
(Thousand Barrels per Day) — Continued

Country of Origin	Kerosene	Finished Aviation Gasoline	Aviation Gasoline Blending Components	Kerosene-Type Jet Fuel	Special Naphthas	Residual Fuel Oil	Petrochemical Feedstocks	
							Naphtha	Other Oils
<b>OPEC</b>	<b>0</b>	<b>-</b>	<b>-</b>	<b>27</b>	<b>2</b>	<b>1</b>	<b>-</b>	<b>-</b>
Algeria	-	-	-	10	-	1	-	-
Angola	-	-	-	-	-	-	-	-
Congo (Brazzaville)	-	-	-	-	-	-	-	-
Equatorial Guinea	-	-	-	-	-	-	-	-
Gabon	-	-	-	-	-	-	-	-
Iran	-	-	-	-	-	-	-	-
Iraq	0	-	-	-	-	-	-	-
Kuwait	-	-	-	17	-	-	-	-
Libya	-	-	-	-	-	-	-	-
Nigeria	-	-	-	-	-	-	-	-
Saudi Arabia	-	-	-	-	2	0	-	-
United Arab Emirates	0	-	-	-	-	-	-	-
Venezuela	-	-	-	-	-	-	-	-
<b>Non-OPEC</b>	<b>-15</b>	<b>1</b>	<b>-</b>	<b>96</b>	<b>4</b>	<b>65</b>	<b>10</b>	<b>2</b>
Argentina	-	-	-	4	-	-	-	1
Aruba	-	-	-	-	-	-	-	-
Australia	-	-	-	-	-	-	-	-
Bahamas	-	-	-	0	-	-15	-	-
Bahrain	-	-	-	-	-	-	-	-
Belgium	-	-	-	-	-	-	-	-
Brazil	-	-	-	-	1	9	-	-
Brunei	-	-	-	-	-	-	-	-
Cameroon	-	-	-	-	-	-	-	-
Canada	-9	0	-	-3	2	2	2	2
Chad	-	-	-	-	-	-	-	-
China	0	-	-	-	-	0	-	-
Colombia	-	-	-	3	-	-	-	-
Denmark	-	-	-	-	-	-	-	-
Dominican Republic	0	-	-	0	-	-6	-	-
Ecuador	0	-	-	-	-	-	-	-
Estonia	-	-	-	-	-	-	-	-
Finland	0	-	-	-	-	0	-	-
France	-	-	-	-	-	0	-	-
Germany	-	-	-	-	-	-	-	-
Guatemala	0	-	-	-1	-	-	-	-
Honduras	0	-	-	-1	-	-	-	-
India	-	-	-	16	-	-	-	-
Indonesia	-	-	-	-	-	-	-	-
Italy	-	-	-	9	-	2	-	-
Japan	0	-	-	10	-	-	-	-
Korea, South	-	-	-	93	-	-	1	-
Latvia	-	-	-	-	-	-	-	-
Lithuania	-	-	-	-	-	1	-	-
Malaysia	0	-	-	-	-	0	-	-
Mexico	-6	-	-	-21	-	53	5	-
Netherlands	-	1	-	0	-	-2	-	-
Norway	-	-	-	-	-	-	-	-
Oman	-	-	-	-	-	-	-	-
Panama	0	-	-	-2	-	-16	-	-
Portugal	-	-	-	-	-	-	-	-
Puerto Rico	-	-	-	0	-	-	-	-
Qatar	-	-	-	-	-	-	-	-
Russia	-	-	-	3	-	42	-	-
Spain	-	-	-	-	-	4	-	-
Sweden	-	-	-	-	-	-	-	-
Trinidad and Tobago	-	-	-	-	-	-	-	-
United Kingdom	-	-	-	-	-	3	-	-
Vietnam	-	-	-	-	-	-	-	-
Virgin Islands, U.S.	-	-	-	-	-	-	-	-
Yemen	-	-	-	-	-	-	-	-
Other	0	0	-	-14	1	-12	2	-1
<b>Total</b>	<b>-15</b>	<b>1</b>	<b>-</b>	<b>123</b>	<b>5</b>	<b>65</b>	<b>10</b>	<b>2</b>
<b>Persian Gulf<sup>2</sup></b>	<b>0</b>	<b>-</b>	<b>-</b>	<b>17</b>	<b>2</b>	<b>0</b>	<b>-</b>	<b>-</b>

See footnotes at end of table.

**Table 53. Net Imports of Crude Oil and Petroleum Products into the United States by Country, September 2020**  
(Thousand Barrels per Day) — Continued

Country of Origin	Waxes	Petroleum Coke	Asphalt and Road Oil	Lubricants	Miscellaneous Products	Total Products	Total Crude Oil and Products
<b>OPEC</b>	<b>0</b>	<b>-</b>	<b>0</b>	<b>4</b>	<b>0</b>	<b>40</b>	<b>596</b>
Algeria	-	-	-	-	-	14	14
Angola	-	-	-	-	-	-	32
Congo (Brazzaville)	-	-	-	-	-	-	980
Equatorial Guinea	-	-	-	0	-	1	1
Gabon	-	-	-	-	-	-	-
Iran	-	-	-	-	-	-	-
Iraq	-	-	-	0	-	0	83
Kuwait	-	-	-	0	-	17	35
Libya	-	-	-	0	-	0	0
Nigeria	-	-	-	0	-	14	83
Saudi Arabia	0	-	0	1	-	-18	330
United Arab Emirates	0	-	0	3	-	12	-13
Venezuela	-	-	-	0	0	0	0
<b>Non-OPEC</b>	<b>-1</b>	<b>-420</b>	<b>17</b>	<b>-74</b>	<b>-1</b>	<b>-3,032</b>	<b>-1,429</b>
Argentina	0	8	-	-6	0	4	60
Aruba	-	-	-	0	-	-5	-5
Australia	0	-1	-2	0	-	-34	-103
Bahamas	-	-	0	0	-	-93	-93
Bahrain	0	-	-	0	-	0	0
Belgium	-	0	-	-18	0	-57	-57
Brazil	0	-43	-	-13	0	-367	-362
Brunei	-	-	-	-	-	-	-
Cameroon	-	-	-	-	-	-	21
Canada	-1	-10	27	-2	0	-3	2,900
Chad	-	-	-	-	-	-	-
China	1	-58	0	0	0	-304	-1,016
Colombia	0	0	2	-3	0	-5	283
Denmark	-	-	-	-	-	-	-24
Dominican Republic	0	-6	-	0	0	-71	-71
Ecuador	-	-6	0	-2	-	-53	144
Estonia	-	-	-	-	-	-	-
Finland	-	-	-	0	-	23	23
France	0	-20	-	0	-	-82	-202
Germany	0	-	0	0	0	-4	-222
Guatemala	0	-	-	0	-	-82	-76
Honduras	0	-10	-3	0	0	-51	-51
India	0	-66	0	-4	0	-79	-355
Indonesia	-	0	0	3	-	-103	-103
Italy	0	-27	-	0	-	4	-164
Japan	0	-50	0	-1	0	-382	-382
Korea, South	0	0	0	4	0	-61	-306
Latvia	-	-	-	0	-	0	0
Lithuania	0	-	-	0	0	14	14
Malaysia	0	-	-	0	0	21	21
Mexico	-1	-43	-7	-28	-1	-895	-324
Netherlands	0	-7	0	0	0	-90	-249
Norway	-	-1	-	0	-	-20	-20
Oman	-	0	-	-	-	0	0
Panama	-	-	-	-1	-	-93	-125
Portugal	-	-5	-	0	-	-10	-58
Puerto Rico	-	-	0	0	-	-12	-12
Qatar	-	-4	-	11	-	9	9
Russia	-	-	-	0	-	441	527
Spain	-	-5	1	0	-	38	-11
Sweden	-	0	-	0	-	22	-3
Trinidad and Tobago	0	-	-	0	-	-28	23
United Kingdom	0	0	-	0	0	29	-151
Vietnam	0	-	-	0	0	0	0
Virgin Islands, U.S.	-	-	0	0	-	-7	-7
Yemen	-	-	-	-	-	-	-
Other	0	-66	-1	-14	0	-646	-902
<b>Total</b>	<b>-1</b>	<b>-420</b>	<b>17</b>	<b>-70</b>	<b>-1</b>	<b>-2,992</b>	<b>-833</b>
<b>Persian Gulf<sup>2</sup></b>	<b>0</b>	<b>-4</b>	<b>0</b>	<b>14</b>	<b>-</b>	<b>21</b>	<b>444</b>

-- = Not Applicable.

- = No Data Reported.

<sup>1</sup> On December 18, 2015, the U.S. enacted legislation authorizing the export of U.S. crude oil without a license. Exports to embargoed or sanctioned countries continue to require authorization.

<sup>2</sup> Includes Bahrain, Iran, Iraq, Kuwait, Qatar, Saudi Arabia, and United Arab Emirates.

Note: Totals may not equal sum of components due to independent rounding.

Sources: U.S. Census Bureau and EIA estimates.

**Table 54. Year-to-Date Net Imports of Crude Oil and Petroleum Products into the United States by Country, January-September 2020**  
(Thousand Barrels per Day)

Country of Origin	Crude Oil <sup>1</sup>	Natural Gas Liquids	Refinery Olefins	Unfinished Oils	Finished Motor Gasoline			Motor Gasoline Blending Components		
					Reformulated	Conventional	Total	Reformulated	Conventional	Total
<b>OPEC</b>	<b>900</b>	<b>-10</b>	<b>-</b>	<b>12</b>	<b>-</b>	<b>1</b>	<b>1</b>	<b>1</b>	<b>16</b>	<b>17</b>
Algeria	-	-	-	3	-	-	-	-	6	6
Angola	24	-	-	0	-	-	-	-	2	2
Congo (Brazzaville)	951	-	-	-	-	-	-	-	-	-
Equatorial Guinea	-	3	-	-	-	-	-	-	-	-
Gabon	-	-	-	-	-	-	-	-	-	-
Iran	-	-	-	-	-	-	-	-	-	-
Iraq	201	-	-	0	-	0	0	0	-	0
Kuwait	22	-	-	3	-	0	0	0	-	0
Libya	11	-	-	0	-	-	-	-	-	-
Nigeria	68	-13	-	2	-	-2	-2	-	2	2
Saudi Arabia	592	0	-	4	-	3	3	1	4	5
United Arab Emirates	-21	1	-	0	-	0	0	-	2	2
Venezuela	-	0	-	0	-	0	0	0	0	0
<b>Non-OPEC</b>	<b>1,865</b>	<b>-1,909</b>	<b>15</b>	<b>288</b>	<b>-</b>	<b>-572</b>	<b>-572</b>	<b>161</b>	<b>235</b>	<b>396</b>
Argentina	41	0	-	-4	-	-2	-2	-	1	1
Aruba	-	0	-	0	-	-1	-1	-	0	0
Australia	-36	-13	-	0	-	0	0	0	0	0
Bahamas	-14	-4	-	0	-	-4	-4	0	-1	-1
Bahrain	-	-	-	0	-	0	0	0	-	0
Belgium	-6	-16	-	8	-	3	3	6	8	14
Brazil	37	-51	-	-37	-	-50	-50	0	21	21
Brunei	16	-	-	-	-	-	-	-	-	-
Cameroon	21	0	-	-	-	-	-	-	-	-
Canada	3,176	-195	15	-41	-	-7	-7	95	12	107
Chad	-	0	-	-	-	-	-	-	-	-
China	-448	-142	-	-4	-	0	0	-	-	-
Colombia	257	-1	-	-26	-	-15	-15	-	2	2
Denmark	-41	-	-	0	-	0	0	0	0	0
Dominican Republic	-11	-32	-	0	-	-8	-8	0	-1	-1
Ecuador	169	-33	-	13	-	-9	-9	0	-5	-5
Estonia	-	-	-	-	-	-	-	-	0	0
Finland	-	-7	-	1	-	0	0	0	12	12
France	-79	-25	-	-3	-	11	11	5	0	5
Germany	-115	-1	-	2	-	0	0	0	2	2
Guatemala	4	-10	-	0	-	-31	-31	0	0	0
Honduras	-	-14	-	0	-	-11	-11	0	0	0
India	-233	-103	-	1	-	1	1	0	65	65
Indonesia	-17	-78	-	0	-	-5	-5	-	-	-
Italy	-149	-2	-	9	-	0	0	1	15	16
Japan	-15	-436	-	-41	-	-1	-1	0	2	2
Korea, South	-285	-129	-	-30	-	6	6	2	9	11
Latvia	-	-	-	-	-	0	0	-	0	0
Lithuania	-2	-	-	-	-	2	2	-	1	1
Malaysia	-23	0	-	6	-	0	0	-	0	0
Mexico	689	-162	0	24	-	-392	-392	0	-14	-14
Netherlands	-285	-68	-	-9	-	11	11	23	25	48
Norway	5	-25	-	1	-	1	1	1	8	9
Oman	-	-	-	0	-	-	-	-	-	-
Panama	-11	-3	-	0	-	-25	-25	-	0	0
Portugal	-14	-16	-	2	-	16	16	4	4	8
Puerto Rico	-	-1	-	0	-	-2	-2	0	0	0
Qatar	-	0	-	0	-	0	0	0	-	0
Russia	73	0	-	394	-	6	6	2	24	26
Spain	-70	-29	-	4	-	9	9	1	16	17
Sweden	-44	-14	-	6	-	3	3	0	4	4
Trinidad and Tobago	39	1	-	0	-	-4	-4	-	-	-
United Kingdom	-226	-67	-	10	-	4	4	22	16	38
Vietnam	-11	-7	-	0	-	-	-	-	0	0
Virgin Islands, U.S.	-8	-5	-	-2	-	-2	-2	-	0	0
Yemen	-	-	-	-	-	-	-	-	-	-
Other	-519	-221	0	4	-	-76	-76	-1	9	8
<b>Total</b>	<b>2,765</b>	<b>-1,919</b>	<b>15</b>	<b>300</b>	<b>-</b>	<b>-571</b>	<b>-571</b>	<b>162</b>	<b>250</b>	<b>413</b>
<b>Persian Gulf<sup>2</sup></b>	<b>793</b>	<b>1</b>	<b>-</b>	<b>7</b>	<b>-</b>	<b>3</b>	<b>3</b>	<b>1</b>	<b>6</b>	<b>7</b>

See footnotes at end of table.

**Table 54. Year-to-Date Net Imports of Crude Oil and Petroleum Products into the United States by Country, January-September 2020**  
(Thousand Barrels per Day) — Continued

Country of Origin	Oxygenates		Renewable Fuels				Distillate Fuel Oil				Total
	Methyl Tertiary Butyl Ether (MTBE)	Other Oxygenates	Fuel Ethanol	Biomass-Based Diesel	Other Renewable Diesel	Other Renewable Fuels	15 ppm sulfur and under	Greater than 15 ppm to 500 ppm sulfur	501 to 2000 ppm	Greater than 2000 ppm	
<b>OPEC</b>	--	--	-3	0	-	-	-2	0	-	-	-2
Algeria	--	--	-	-	-	-	-	-	-	-	-
Angola	--	--	-	-	-	-	-	-	-	-	-
Congo (Brazzaville)	--	--	-	-	-	-	-	-	-	-	-
Equatorial Guinea	--	--	0	-	-	-	-	-	-	-	-
Gabon	--	--	-	-	-	-	-	-	-	-	-
Iran	--	--	-	-	-	-	-	-	-	-	-
Iraq	--	--	-	-	-	-	0	-	-	-	0
Kuwait	--	--	0	0	-	-	0	-	-	-	0
Libya	--	--	-	-	-	-	0	-	-	-	0
Nigeria	--	--	-2	-	-	-	1	-	-	-	1
Saudi Arabia	--	--	-1	-	-	-	-3	-	-	-	-3
United Arab Emirates	--	--	0	-	-	-	0	-	-	-	0
Venezuela	--	--	-	-	-	-	0	0	-	-	0
<b>Non-OPEC</b>	--	--	-74	1	17	-	-866	-105	-93	-	-1,064
Argentina	--	--	0	-	-	-	-18	-	-	-	-18
Aruba	--	--	0	-	-	-	-1	-	-	-	-1
Australia	--	--	0	-	-	-	-5	-	-	-	-5
Bahamas	--	--	0	-	-	-	-19	-2	-8	-	-29
Bahrain	--	--	0	-	-	-	-	-	-	-	-
Belgium	--	--	0	0	-	-	-4	-1	-	-	-5
Brazil	--	--	-7	-	-	-	-161	-14	-8	-	-183
Brunei	--	--	-	-	-	-	-	-	-	-	-
Cameroon	--	--	-	-	-	-	0	-	-	-	0
Canada	--	--	-20	-3	-	-	123	-11	-4	-	107
Chad	--	--	-	-	-	-	-	-	-	-	-
China	--	--	0	0	-	-	-1	-	0	-	-1
Colombia	--	--	-4	-	-	-	-6	0	-	-	-6
Denmark	--	--	0	0	-	-	-1	-	-	-	-1
Dominican Republic	--	--	0	-	-	-	-8	0	-4	-	-12
Ecuador	--	--	0	-	-	-	-31	-3	-10	-	-44
Estonia	--	--	-	-	-	-	-1	-	-	-	-1
Finland	--	--	-1	-	-	-	-1	-	-	-	-1
France	--	--	0	-	-	-	-38	-	0	-	-38
Germany	--	--	0	3	-	-	-2	0	-	-	-2
Guatemala	--	--	0	0	-	-	-11	-18	-5	-	-34
Honduras	--	--	0	-	-	-	-11	-5	-4	-	-20
India	--	--	-14	-	-	-	4	3	-	-	7
Indonesia	--	--	0	-	-	-	-3	-	-	-	-3
Italy	--	--	0	-	-	-	-1	-	-	-	-1
Japan	--	--	0	0	-	-	1	0	-	-	1
Korea, South	--	--	-6	2	-	-	6	-	-	-	6
Latvia	--	--	-	-	-	-	0	-	-	-	0
Lithuania	--	--	-	-	-	-	-	-	-	-	-
Malaysia	--	--	0	-	-	-	-1	-	-	-	-1
Mexico	--	--	-5	0	-	-	-245	-2	-3	-	-250
Netherlands	--	--	-4	0	-	-	-41	-5	-4	-	-50
Norway	--	--	-1	0	-	-	-1	-	-	-	-1
Oman	--	--	0	-	-	-	0	-	-	-	0
Panama	--	--	0	-	-	-	-55	-13	-6	-	-75
Portugal	--	--	0	-	-	-	-	-	-	-	-
Puerto Rico	--	--	0	0	-	-	0	0	-	-	0
Qatar	--	--	0	-	-	-	3	-	-	-	3
Russia	--	--	0	-	-	-	3	0	-	-	3
Spain	--	--	0	1	-	-	-9	-1	-1	-	-11
Sweden	--	--	0	-	-	-	-3	-	-	-	-3
Trinidad and Tobago	--	--	0	-	-	-	-3	-8	-4	-	-15
United Kingdom	--	--	-2	-	-	-	-37	-	-2	-	-39
Vietnam	--	--	0	-	-	-	0	-	-	-	0
Virgin Islands, U.S.	--	--	0	-	-	-	-8	-3	-1	-	-13
Yemen	--	--	-	-	-	-	-	-	-	-	-
Other	--	--	-10	-2	17	-	-280	-22	-29	-	-328
<b>Total</b>	--	--	-78	1	17	-	-868	-105	-93	-	-1,066
<b>Persian Gulf<sup>2</sup></b>	--	--	-1	0	-	-	0	-	-	-	0

See footnotes at end of table.

**Table 54. Year-to-Date Net Imports of Crude Oil and Petroleum Products into the United States by Country, January-September 2020**  
(Thousand Barrels per Day) — Continued

Country of Origin	Kerosene	Finished Aviation Gasoline	Aviation Gasoline Blending Components	Kerosene-Type Jet Fuel	Special Naphthas	Residual Fuel Oil	Petrochemical Feedstocks	
							Naphtha	Other Oils
<b>OPEC</b>	<b>0</b>	<b>-</b>	<b>-</b>	<b>10</b>	<b>1</b>	<b>3</b>	<b>0</b>	<b>-</b>
Algeria	-	-	-	1	-	1	-	-
Angola	-	-	-	-	-	-	-	-
Congo (Brazzaville)	-	-	-	-	-	-	-	-
Equatorial Guinea	-	-	-	-	-	0	-	-
Gabon	-	-	-	-	-	-	-	-
Iran	-	-	-	-	-	-	-	-
Iraq	0	-	-	0	-	-	-	-
Kuwait	-	-	-	5	-	-	-	-
Libya	-	-	-	-	-	-	-	-
Nigeria	-	-	-	0	-	0	-	-
Saudi Arabia	-	-	-	3	1	0	0	-
United Arab Emirates	0	-	-	0	-	1	-	-
Venezuela	-	-	-	-	-	0	-	-
<b>Non-OPEC</b>	<b>-3</b>	<b>1</b>	<b>-</b>	<b>38</b>	<b>12</b>	<b>13</b>	<b>16</b>	<b>3</b>
Argentina	0	-	-	0	-	3	-	0
Aruba	0	-	-	-1	-	-	-	-
Australia	0	-	-	0	-	0	-	-
Bahamas	0	-	-	-3	-	-11	-	-
Bahrain	-	-	-	-	-	-	-	-
Belgium	-	-	-	-	-	2	0	-
Brazil	0	-	-	-2	1	4	-	0
Brunei	-	-	-	5	-	-	-	-
Cameroon	-	-	-	-	-	-	-	-
Canada	-2	0	-	-14	2	2	3	2
Chad	-	-	-	-	-	-	-	-
China	0	-	-	1	-	0	-	-
Colombia	-	-	-	0	-	2	-	-
Denmark	-	-	-	-	-	2	-	-
Dominican Republic	0	-	-	-3	-	-4	-	-
Ecuador	0	-	-	0	-	2	-	-
Estonia	-	-	-	-	-	-	-	-
Finland	0	-	-	-1	-	1	-	-
France	-	-	-	-	0	0	0	1
Germany	-	-	-	-	0	1	-	-
Guatemala	0	-	-	-1	-	0	-	-
Honduras	0	-	-	-1	-	-3	-	-
India	0	-	-	12	1	0	-	-
Indonesia	-	-	-	-	-	-	-	-
Italy	-	-	-	-1	-	1	-	-
Japan	0	-	-	19	2	0	3	-
Korea, South	0	-	-	75	6	0	0	-
Latvia	-	-	-	0	-	0	-	-
Lithuania	-	-	-	-	-	2	-	-
Malaysia	0	-	-	0	-	-2	-	-
Mexico	-2	-	-	-31	0	23	6	-
Netherlands	-	1	-	-2	0	-3	3	-
Norway	-	-	-	-	-	-	0	-
Oman	-	-	-	-	-	-	-	-
Panama	0	-	-	-4	-	-17	-	-
Portugal	-	-	-	-	-	2	-	-
Puerto Rico	0	-	-	0	-	0	-	-
Qatar	0	-	-	4	-	-	-	-
Russia	0	-	-	0	-	32	-	-
Spain	-	-	-	0	0	-1	-	-
Sweden	-	-	-	-	-	3	-	-
Trinidad and Tobago	0	-	-	-3	-	-	-	-
United Kingdom	0	-	-	-3	0	1	0	-
Vietnam	-	-	-	0	-	-	-	-
Virgin Islands, U.S.	0	-	-	-1	-	-1	-	-
Yemen	-	-	-	-	-	-	-	-
Other	1	0	-	-7	0	-28	1	0
<b>Total</b>	<b>-3</b>	<b>1</b>	<b>-</b>	<b>48</b>	<b>13</b>	<b>15</b>	<b>17</b>	<b>3</b>
<b>Persian Gulf<sup>2</sup></b>	<b>0</b>	<b>-</b>	<b>-</b>	<b>12</b>	<b>1</b>	<b>1</b>	<b>0</b>	<b>-</b>

See footnotes at end of table.

**Table 54. Year-to-Date Net Imports of Crude Oil and Petroleum Products into the United States by Country, January-September 2020**  
(Thousand Barrels per Day) — Continued

Country of Origin	Waxes	Petroleum Coke	Asphalt and Road Oil	Lubricants	Miscellaneous Products	Total Products	Total Crude Oil and Products
<b>OPEC</b>	<b>0</b>	<b>-7</b>	<b>-1</b>	<b>-1</b>	<b>0</b>	<b>21</b>	<b>921</b>
Algeria	-	-	-	0	-	11	11
Angola	-	-	-	0	-	2	27
Congo (Brazzaville)	-	-	-	-	-	-	954
Equatorial Guinea	-	-	-	0	-	3	3
Gabon	-	-	-	0	-	0	0
Iran	-	-	-	-	-	-	-
Iraq	0	-	-	0	-	0	201
Kuwait	-	-	0	0	-	8	30
Libya	-	-	-	0	-	0	11
Nigeria	-	-2	0	-2	-	-17	51
Saudi Arabia	0	-1	-1	0	0	12	604
United Arab Emirates	0	-4	0	2	-	2	-19
Venezuela	-	-	-	0	0	0	0
<b>Non-OPEC</b>	<b>0</b>	<b>-525</b>	<b>23</b>	<b>-59</b>	<b>-1</b>	<b>-3,385</b>	<b>-1,520</b>
Argentina	0	4	0	-3	0	-18	23
Aruba	-	-	0	0	-	-2	-2
Australia	0	-7	-1	0	0	-26	-62
Bahamas	-	-	0	0	0	-53	-67
Bahrain	0	-	-	1	-	1	1
Belgium	0	-3	-1	-11	0	-7	-14
Brazil	0	-37	0	-10	0	-352	-315
Brunei	-	-	-	0	-	5	21
Cameroon	0	-	-	0	-	0	21
Canada	-1	-22	34	-2	0	-35	3,141
Chad	-	-	-	-	-	0	0
China	1	-57	0	-1	0	-203	-651
Colombia	0	0	1	-2	0	-50	207
Denmark	0	-2	-	0	-	-1	-41
Dominican Republic	0	-4	-2	0	0	-68	-79
Ecuador	0	-5	0	-1	0	-83	86
Estonia	-	-	-	0	-	-1	-1
Finland	0	-	-	0	-	3	3
France	0	-5	-	0	-	-54	-133
Germany	0	-1	0	0	0	4	-111
Guatemala	0	-8	0	0	-	-85	-81
Honduras	0	-9	-1	0	0	-58	-58
India	0	-95	0	-4	0	-130	-362
Indonesia	0	0	0	3	0	-83	-100
Italy	0	-15	1	1	0	7	-141
Japan	0	-53	0	0	0	-506	-520
Korea, South	0	-5	0	8	0	-56	-341
Latvia	-	-	-	0	-	1	1
Lithuania	0	-	-	0	0	4	2
Malaysia	0	-2	0	0	0	1	-22
Mexico	-1	-51	-9	-29	-1	-893	-204
Netherlands	0	-9	0	0	0	-83	-368
Norway	0	-3	-	0	0	-19	-14
Oman	0	0	0	0	-	0	0
Panama	0	-1	0	-3	0	-128	-139
Portugal	0	-3	-	0	-	8	-6
Puerto Rico	0	-	0	0	-	-4	-4
Qatar	-	-1	-	8	-	13	13
Russia	0	0	0	0	-	461	534
Spain	0	-12	2	0	0	-22	-92
Sweden	0	0	-	0	0	-2	-46
Trinidad and Tobago	0	0	0	0	0	-22	18
United Kingdom	0	-4	0	0	0	-61	-287
Vietnam	0	-3	0	0	0	-11	-22
Virgin Islands, U.S.	-	-	0	0	-	-24	-32
Yemen	-	-	-	0	-	0	0
Other	1	-112	-1	-14	0	-753	-1,276
<b>Total</b>	<b>0</b>	<b>-532</b>	<b>22</b>	<b>-60</b>	<b>-1</b>	<b>-3,364</b>	<b>-599</b>
<b>Persian Gulf<sup>2</sup></b>	<b>0</b>	<b>-6</b>	<b>-1</b>	<b>10</b>	<b>0</b>	<b>36</b>	<b>829</b>

-- = Not Applicable.

- = No Data Reported.

<sup>1</sup> On December 18, 2015, the U.S. enacted legislation authorizing the export of U.S. crude oil without a license. Exports to embargoed or sanctioned countries continue to require authorization.

<sup>2</sup> Includes Bahrain, Iran, Iraq, Kuwait, Qatar, Saudi Arabia, and United Arab Emirates.

Note: Totals may not equal sum of components due to independent rounding.

Sources: U.S. Census Bureau and EIA estimates.

**Table 55. Stocks of Crude Oil and Petroleum Products by PAD District, September 2020**  
(Thousand Barrels)

Commodity	PAD Districts					U.S. Total
	1	2	3	4	5	
<b>Crude Oil</b> .....	<b>11,148</b>	<b>140,907</b>	<b>912,559</b>	<b>23,344</b>	<b>51,550</b>	<b>1,139,508</b>
Refinery .....	6,104	12,964	46,535	2,450	20,741	88,794
Tank Farms and Pipelines (Includes Cushing, OK) ....	5,044	127,943	223,838	20,894	26,814	404,533
Cushing, Oklahoma .....	--	56,189	--	--	--	56,189
Leases .....	--	--	--	--	--	--
Strategic Petroleum Reserve <sup>1</sup> .....	--	--	642,186	--	--	642,186
Alaskan In Transit .....	--	--	--	--	3,995	3,995
<b>Total Stocks, All Oils (excluding Crude Oil)<sup>2</sup></b> .....	<b>178,066</b>	<b>186,208</b>	<b>445,608</b>	<b>25,186</b>	<b>89,603</b>	<b>924,671</b>
Refinery .....	10,404	47,172	119,363	9,999	44,643	231,581
Bulk Terminal .....	141,010	101,288	266,951	8,568	39,640	557,457
Pipeline .....	26,396	36,311	57,613	6,426	4,695	131,441
Natural Gas Processing Plant .....	256	1,437	1,681	193	625	4,192
<b>Natural Gas Liquids</b> .....	<b>13,261</b>	<b>65,581</b>	<b>201,651</b>	<b>8,224</b>	<b>6,367</b>	<b>295,084</b>
Refinery .....	428	4,477	9,170	491	1,434	16,000
Bulk Terminal .....	10,839	42,972	168,313	3,052	4,308	229,484
Pipeline .....	1,738	16,695	22,487	4,488	--	45,408
Natural Gas Processing Plant .....	256	1,437	1,681	193	625	4,192
<b>Ethane</b> .....	<b>705</b>	<b>6,193</b>	<b>64,080</b>	<b>1,194</b>	<b>--</b>	<b>72,172</b>
Refinery .....	--	--	124	--	--	124
Bulk Terminal .....	436	2,920	55,950	--	--	59,306
Pipeline .....	269	3,069	7,741	1,187	--	12,266
Natural Gas Processing Plant .....	--	204	265	7	--	476
<b>Propane</b> .....	<b>9,584</b>	<b>26,333</b>	<b>58,609</b>	<b>3,205</b>	<b>2,975</b>	<b>100,706</b>
Refinery .....	64	1,726	983	42	84	2,899
Bulk Terminal .....	8,237	20,212	50,416	1,420	2,738	83,023
Pipeline .....	1,150	3,798	6,989	1,666	--	13,603
Natural Gas Processing Plant .....	133	597	221	77	153	1,181
<b>Normal Butane</b> .....	<b>2,424</b>	<b>18,956</b>	<b>42,548</b>	<b>2,664</b>	<b>2,920</b>	<b>69,512</b>
Refinery .....	200	2,010	6,085	351	966	9,612
Bulk Terminal .....	1,939	15,537	33,229	1,598	1,565	53,868
Pipeline .....	231	1,265	2,962	671	--	5,129
Natural Gas Processing Plant .....	54	144	272	44	389	903
<b>Isobutane</b> .....	<b>223</b>	<b>2,668</b>	<b>10,341</b>	<b>415</b>	<b>419</b>	<b>14,066</b>
Refinery .....	164	502	1,392	86	381	2,525
Bulk Terminal .....	--	1,150	7,631	--	3	8,784
Pipeline .....	44	783	1,227	315	--	2,369
Natural Gas Processing Plant .....	15	233	91	14	35	388
<b>Natural Gasoline</b> .....	<b>325</b>	<b>11,431</b>	<b>26,073</b>	<b>746</b>	<b>53</b>	<b>38,628</b>
Refinery .....	--	239	586	12	3	840
Bulk Terminal .....	227	3,153	21,087	34	2	24,503
Pipeline .....	44	7,780	3,568	649	--	12,041
Natural Gas Processing Plant .....	54	259	832	51	48	1,244
<b>Refinery Olefins</b> .....	<b>313</b>	<b>941</b>	<b>2,539</b>	<b>91</b>	<b>87</b>	<b>3,971</b>
Refinery .....	313	941	2,539	91	87	3,971
Bulk Terminal .....	--	--	--	--	--	--
Pipeline .....	--	--	--	--	--	--
Natural Gas Processing Plant .....	--	--	--	--	--	--
<b>Ethylene</b> .....	<b>--</b>	<b>--</b>	<b>0</b>	<b>--</b>	<b>--</b>	<b>0</b>
Refinery .....	--	--	0	--	--	0
Bulk Terminal .....	--	--	--	--	--	--
Pipeline .....	--	--	--	--	--	--
Natural Gas Processing Plant .....	--	--	--	--	--	--
<b>Propylene</b> .....	<b>119</b>	<b>384</b>	<b>1,006</b>	<b>0</b>	<b>7</b>	<b>1,516</b>
Refinery .....	119	384	1,006	0	7	1,516
Bulk Terminal .....	--	--	--	--	--	--
Pipeline .....	--	--	--	--	--	--
Natural Gas Processing Plant .....	--	--	--	--	--	--
<b>Normal Butylene</b> .....	<b>176</b>	<b>557</b>	<b>1,533</b>	<b>91</b>	<b>80</b>	<b>2,437</b>
Refinery .....	176	557	1,533	91	80	2,437
Bulk Terminal .....	--	--	--	--	--	--
Pipeline .....	--	--	--	--	--	--
Natural Gas Processing Plant .....	--	--	--	--	--	--
<b>Isobutylene</b> .....	<b>18</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>18</b>
Refinery .....	18	0	0	0	0	18
Bulk Terminal .....	--	--	--	--	--	--
Pipeline .....	--	--	--	--	--	--
Natural Gas Processing Plant .....	--	--	--	--	--	--
<b>Other Hydrocarbons</b> .....	<b>--</b>	<b>20</b>	<b>--</b>	<b>--</b>	<b>--</b>	<b>20</b>
Refinery .....	--	20	--	--	--	20
<b>Oxygenates (excluding Fuel Ethanol)</b> .....	<b>--</b>	<b>--</b>	<b>--</b>	<b>--</b>	<b>--</b>	<b>--</b>
Refinery .....	--	--	--	--	--	--
Bulk Terminal .....	--	--	--	--	--	--
Pipeline .....	--	--	--	--	--	--

See footnotes at end of table.



**Table 55. Stocks of Crude Oil and Petroleum Products by PAD District, September 2020**  
(Thousand Barrels) — Continued

Commodity	PAD Districts					U.S. Total
	1	2	3	4	5	
<b>MTBE</b> .....	--	--	--	--	--	--
Refinery .....	--	--	--	--	--	--
Bulk Terminal <sup>3</sup> .....	--	--	--	--	--	--
Pipeline .....	--	--	--	--	--	--
<b>Other Oxygenates<sup>4</sup></b> .....	--	--	--	--	--	--
Refinery .....	--	--	--	--	--	--
Bulk Terminal .....	--	--	--	--	--	--
Pipeline .....	--	--	--	--	--	--
<b>Renewable Fuels (including Fuel Ethanol)</b> .....	<b>7,647</b>	<b>7,480</b>	<b>5,002</b>	<b>452</b>	<b>4,579</b>	<b>25,160</b>
Refinery .....	176	140	324	190	422	1,252
Bulk Terminal .....	7,471	7,340	4,678	257	4,157	23,903
Pipeline .....	--	--	--	5	--	5
<b>Fuel Ethanol<sup>2</sup></b> .....	<b>6,529</b>	<b>6,609</b>	<b>3,286</b>	<b>378</b>	<b>3,225</b>	<b>20,027</b>
Refinery .....	170	102	171	121	47	611
Bulk Terminal .....	6,359	6,507	3,115	252	3,178	19,411
Pipeline .....	--	--	--	5	--	5
<b>Renewable Diesel Fuel<sup>5</sup></b> .....	<b>1,118</b>	<b>871</b>	<b>1,709</b>	<b>74</b>	<b>1,328</b>	<b>5,100</b>
Refinery .....	6	38	153	69	375	641
Bulk Terminal .....	1,112	833	1,556	5	953	4,459
Pipeline .....	--	--	--	--	--	--
<b>Other Renewable Fuels</b> .....	<b>--</b>	<b>--</b>	<b>7</b>	<b>--</b>	<b>26</b>	<b>33</b>
Refinery .....	--	--	--	--	--	--
Bulk Terminal .....	--	--	7	--	26	33
Pipeline .....	--	--	--	--	--	--
<b>Unfinished Oils</b> .....	<b>3,788</b>	<b>13,315</b>	<b>45,216</b>	<b>2,711</b>	<b>16,374</b>	<b>81,404</b>
<b>Naphthas and Lighter</b> .....	<b>856</b>	<b>3,315</b>	<b>10,510</b>	<b>655</b>	<b>3,137</b>	<b>18,473</b>
Refinery .....	775	3,291	9,518	655	2,840	17,079
Bulk Terminal .....	81	24	992	--	297	1,394
<b>Kerosene and Light Gas Oils</b> .....	<b>465</b>	<b>2,306</b>	<b>8,514</b>	<b>512</b>	<b>2,906</b>	<b>14,703</b>
Refinery .....	456	2,306	6,149	512	2,602	12,025
Bulk Terminal .....	9	--	2,365	--	304	2,678
<b>Heavy Gas Oils</b> .....	<b>1,809</b>	<b>5,341</b>	<b>19,471</b>	<b>1,164</b>	<b>7,619</b>	<b>35,404</b>
Refinery .....	1,521	4,764	17,239	1,164	7,338	32,026
Bulk Terminal .....	288	577	2,232	--	281	3,378
<b>Residuum</b> .....	<b>658</b>	<b>2,353</b>	<b>6,721</b>	<b>380</b>	<b>2,712</b>	<b>12,824</b>
Refinery .....	658	2,265	5,923	380	2,707	11,933
Bulk Terminal .....	--	88	798	--	5	891
<b>Motor Gasoline Blending Components<sup>2</sup></b> .....	<b>58,539</b>	<b>39,461</b>	<b>71,608</b>	<b>5,713</b>	<b>28,787</b>	<b>204,108</b>
Refinery .....	2,874	11,907	27,378	2,953	13,493	58,605
Bulk Terminal .....	43,482	19,645	28,889	1,895	12,903	106,814
Pipeline .....	12,183	7,909	15,341	865	2,391	38,689
<b>Reformulated - RBOB</b> .....	<b>19,194</b>	<b>4,785</b>	<b>10,231</b>	<b>--</b>	<b>14,057</b>	<b>48,267</b>
Refinery .....	933	1,079	1,636	--	4,960	8,608
Bulk Terminal .....	14,590	2,703	4,292	--	7,591	29,176
Pipeline .....	3,671	1,003	4,303	--	1,506	10,483
<b>Conventional</b> .....	<b>39,345</b>	<b>34,676</b>	<b>61,377</b>	<b>5,713</b>	<b>14,730</b>	<b>155,841</b>
Refinery .....	1,941	10,828	25,742	2,953	8,533	49,997
Bulk Terminal .....	28,892	16,942	24,597	1,895	5,312	77,638
Pipeline .....	8,512	6,906	11,038	865	885	28,206
<b>CBOB</b> .....	<b>27,990</b>	<b>28,155</b>	<b>32,602</b>	<b>4,282</b>	<b>7,976</b>	<b>101,005</b>
Refinery .....	322	4,913	10,603	1,525	2,576	19,939
Bulk Terminal .....	19,157	16,506	11,196	1,892	4,515	53,266
Pipeline .....	8,511	6,736	10,803	865	885	27,800
<b>GTAB</b> .....	<b>1,224</b>	<b>--</b>	<b>--</b>	<b>--</b>	<b>--</b>	<b>1,224</b>
Refinery .....	--	--	--	--	--	--
Bulk Terminal .....	1,224	--	--	--	--	1,224
Pipeline .....	--	--	--	--	--	--
<b>Other</b> .....	<b>10,131</b>	<b>6,521</b>	<b>28,775</b>	<b>1,431</b>	<b>6,754</b>	<b>53,612</b>
Refinery .....	1,619	5,915	15,139	1,428	5,957	30,058
Bulk Terminal .....	8,511	436	13,401	3	797	23,148
Pipeline .....	1	170	235	--	--	406
<b>Aviation Gasoline Blending Components</b> .....	<b>--</b>	<b>--</b>	<b>26</b>	<b>--</b>	<b>--</b>	<b>26</b>
Refinery .....	--	--	26	--	--	26
Bulk Terminal .....	--	--	--	--	--	--
<b>Finished Motor Gasoline</b> .....	<b>3,050</b>	<b>6,718</b>	<b>8,068</b>	<b>1,879</b>	<b>2,721</b>	<b>22,436</b>
Refinery .....	26	1,519	2,995	867	872	6,279
Bulk Terminal .....	1,489	2,708	3,920	723	1,673	10,513
Pipeline .....	1,535	2,491	1,153	289	176	5,644
<b>Reformulated</b> .....	<b>29</b>	<b>--</b>	<b>--</b>	<b>--</b>	<b>16</b>	<b>45</b>
Refinery .....	--	--	--	--	16	16
Bulk Terminal .....	29	--	--	--	--	29
Pipeline .....	--	--	--	--	--	--
<b>Reformulated (Blended with Fuel Ethanol)</b> .....	<b>29</b>	<b>--</b>	<b>--</b>	<b>--</b>	<b>16</b>	<b>45</b>
Refinery .....	--	--	--	--	16	16
Bulk Terminal .....	29	--	--	--	--	29
Pipeline .....	--	--	--	--	--	--

See footnotes at end of table.

**Table 55. Stocks of Crude Oil and Petroleum Products by PAD District, September 2020**  
(Thousand Barrels) — Continued

Commodity	PAD Districts					U.S. Total
	1	2	3	4	5	
<b>Reformulated (Other)</b> .....	—	—	—	—	—	—
Refinery .....	—	—	—	—	—	—
Bulk Terminal .....	—	—	—	—	—	—
Pipeline .....	—	—	—	—	—	—
<b>Conventional</b> .....	<b>3,021</b>	<b>6,718</b>	<b>8,068</b>	<b>1,879</b>	<b>2,705</b>	<b>22,391</b>
Refinery .....	26	1,519	2,995	867	856	6,263
Bulk Terminal .....	1,460	2,708	3,920	723	1,673	10,484
Pipeline .....	1,535	2,491	1,153	289	176	5,644
<b>Conventional (Blended with Fuel Ethanol)</b> .....	<b>43</b>	<b>146</b>	<b>—</b>	<b>85</b>	<b>14</b>	<b>288</b>
Refinery .....	—	—	—	83	—	83
Bulk Terminal .....	43	146	—	2	14	205
Pipeline .....	—	—	—	—	—	—
<b>Ed55 and Lower</b> .....	<b>43</b>	<b>146</b>	<b>—</b>	<b>85</b>	<b>—</b>	<b>274</b>
Refinery .....	—	—	—	83	—	83
Bulk Terminal .....	43	146	—	2	—	191
Pipeline .....	—	—	—	—	—	—
<b>Greater than Ed55</b> .....	<b>—</b>	<b>—</b>	<b>—</b>	<b>—</b>	<b>—</b>	<b>—</b>
Refinery .....	—	—	—	—	—	—
Bulk Terminal .....	—	—	—	—	14	14
Pipeline .....	—	—	—	—	—	—
<b>Conventional (Other)</b> .....	<b>2,978</b>	<b>6,572</b>	<b>8,068</b>	<b>1,794</b>	<b>2,691</b>	<b>22,103</b>
Refinery .....	26	1,519	2,995	784	856	6,180
Bulk Terminal .....	1,417	2,562	3,920	721	1,659	10,279
Pipeline .....	1,535	2,491	1,153	289	176	5,644
<b>Finished Aviation Gasoline</b> .....	<b>231</b>	<b>89</b>	<b>475</b>	<b>6</b>	<b>319</b>	<b>1,120</b>
Refinery .....	—	33	327	6	176	542
Bulk Terminal .....	231	56	148	—	143	578
Pipeline .....	—	—	—	—	—	—
<b>Kerosene-Type Jet Fuel</b> .....	<b>9,405</b>	<b>6,994</b>	<b>14,662</b>	<b>669</b>	<b>8,405</b>	<b>40,135</b>
Refinery .....	295	1,773	5,334	290	2,920	10,612
Bulk Terminal .....	6,152	3,607	5,537	339	4,721	20,356
Pipeline .....	2,958	1,614	3,791	40	764	9,167
<b>Kerosene</b> .....	<b>1,957</b>	<b>167</b>	<b>144</b>	<b>1</b>	<b>16</b>	<b>2,285</b>
Refinery .....	69	84	61	1	1	216
Bulk Terminal .....	1,880	83	6	—	15	1,984
Pipeline .....	8	—	77	—	—	85
<b>Distillate Fuel Oil<sup>2</sup></b> .....	<b>63,062</b>	<b>32,014</b>	<b>59,746</b>	<b>3,873</b>	<b>13,023</b>	<b>171,718</b>
Refinery .....	1,176	5,987	15,011	1,550	5,092	28,816
Bulk Terminal .....	53,912	18,425	29,971	1,584	6,567	110,459
Pipeline .....	7,974	7,602	14,764	739	1,364	32,443
<b>15 ppm sulfur and Under</b> .....	<b>58,682</b>	<b>31,300</b>	<b>53,447</b>	<b>3,648</b>	<b>11,933</b>	<b>159,010</b>
Refinery .....	979	5,535	12,498	1,353	4,358	24,723
Bulk Terminal .....	50,306	18,351	26,643	1,558	6,308	103,166
Pipeline .....	7,397	7,414	14,306	737	1,267	31,121
<b>Greater than 15 ppm to 500 ppm sulfur</b> .....	<b>1,351</b>	<b>281</b>	<b>1,360</b>	<b>145</b>	<b>335</b>	<b>3,472</b>
Refinery .....	58	47	863	117	242	1,327
Bulk Terminal .....	1,293	65	386	26	13	1,783
Pipeline .....	—	169	111	2	80	362
<b>Greater than 500 ppm sulfur</b> .....	<b>3,029</b>	<b>433</b>	<b>4,939</b>	<b>80</b>	<b>755</b>	<b>9,236</b>
Refinery .....	139	405	1,650	80	492	2,766
Bulk Terminal .....	2,313	9	2,942	—	246	5,510
Pipeline .....	577	19	347	—	17	960
<b>Residual Fuel Oil</b> .....	<b>8,843</b>	<b>1,335</b>	<b>16,977</b>	<b>190</b>	<b>4,716</b>	<b>32,061</b>
Refinery .....	193	956	3,284	190	2,064	6,687
Bulk Terminal .....	8,650	379	13,693	—	2,652	25,374
Pipeline .....	—	—	—	—	—	—
<b>Less than 0.31% Sulfur</b> .....	<b>1,083</b>	<b>26</b>	<b>1,573</b>	<b>27</b>	<b>757</b>	<b>3,466</b>
Refinery .....	16	24	33	27	18	118
Bulk Terminal .....	1,067	2	1,540	—	739	3,348
<b>0.31% to 1.00% Sulfur</b> .....	<b>2,730</b>	<b>395</b>	<b>3,721</b>	<b>3</b>	<b>601</b>	<b>7,450</b>
Refinery .....	41	228	533	3	313	1,118
Bulk Terminal .....	2,689	167	3,188	—	288	6,332
<b>Greater than 1.00% Percent Sulfur</b> .....	<b>5,030</b>	<b>914</b>	<b>11,683</b>	<b>160</b>	<b>3,358</b>	<b>21,145</b>
Refinery .....	136	704	2,718	160	1,733	5,451
Bulk Terminal .....	4,894	210	8,965	—	1,625	15,694
<b>Petrochemical Feedstocks</b> .....	<b>—</b>	<b>527</b>	<b>2,288</b>	<b>—</b>	<b>2</b>	<b>2,817</b>
Refinery .....	—	527	2,288	—	2	2,817
Naphtha for Petrochemical Feedstock Use .....	—	428	1,636	—	2	2,066
Other Oils for Petrochemical Feedstock Use .....	—	99	652	—	—	751
<b>Special Naphthas</b> .....	<b>32</b>	<b>161</b>	<b>797</b>	<b>—</b>	<b>38</b>	<b>1,028</b>
Refinery .....	20	111	796	—	38	965
Bulk Terminal .....	12	50	1	—	—	63
<b>Lubricants</b> .....	<b>1,119</b>	<b>593</b>	<b>7,048</b>	<b>—</b>	<b>742</b>	<b>9,502</b>
Refinery .....	590	136	4,376	—	556	5,658
Bulk Terminal .....	529	457	2,672	—	186	3,844
<b>Waxes</b> .....	<b>246</b>	<b>46</b>	<b>197</b>	<b>—</b>	<b>—</b>	<b>489</b>
Refinery .....	246	46	197	—	—	489
<b>Petroleum Coke</b> .....	<b>—</b>	<b>2,003</b>	<b>3,826</b>	<b>118</b>	<b>1,314</b>	<b>7,261</b>
Refinery .....	—	2,003	3,826	118	1,314	7,261
<b>Asphalt and Road Oil</b> .....	<b>6,521</b>	<b>8,669</b>	<b>5,008</b>	<b>1,240</b>	<b>2,010</b>	<b>23,448</b>
Refinery .....	538	3,792	2,272	522	582	7,706
Bulk Terminal .....	5,983	4,877	2,736	718	1,428	15,742

**Table 55. Stocks of Crude Oil and Petroleum Products by PAD District, September 2020**  
(Thousand Barrels) — Continued

Commodity	PAD Districts					U.S. Total
	1	2	3	4	5	
<b>Miscellaneous Products</b> .....	<b>52</b>	<b>94</b>	<b>330</b>	<b>19</b>	<b>103</b>	<b>598</b>
Refinery .....	50	94	330	19	103	596
Bulk Terminal .....	2	—	—	—	—	2
Pipeline .....	—	—	—	—	—	—
<b>Total Stocks, All Oils</b> .....	<b>189,214</b>	<b>327,115</b>	<b>1,358,167</b>	<b>48,530</b>	<b>141,153</b>	<b>2,064,179</b>

— = Not Applicable.

— = No Data Reported.

Lease stocks were excluded from crude oil stocks beginning with data for July 2016 (see explanatory notes).

<sup>1</sup> Crude oil stocks in the Strategic Petroleum Reserve include non-U.S. stocks held under foreign or commercial storage agreements.

<sup>2</sup> Excludes stocks located in the "Northeast Heating Oil Reserve", "Northeast Regional Refined Petroleum Product Reserve", and "State of New York's Strategic Fuels Reserve Program". For details see Appendix D.

<sup>3</sup> Includes stocks held at fuel ethanol production facilities.

<sup>4</sup> Includes stocks held by merchant producers.

<sup>5</sup> Includes ethyl tertiary butyl ether (ETBE), tertiary amyl methyl ether (TAME), tertiary butyl alcohol (TBA), and other aliphatic alcohols and ethers intended for motor gasoline blending (e.g., isopropyl ether (IPE) or n-propanol).

<sup>6</sup> Renewable diesel fuel includes biodiesel and other renewable diesel.

Note: Stocks are reported as of the last day of the month.

Sources: Energy Information Administration (EIA) Forms EIA-22M "Monthly Biodiesel Production Survey", EIA-810, "Monthly Refinery Report," EIA-812, "Monthly Product Pipeline Report," EIA-813, "Monthly Crude Oil Report," EIA-815, "Monthly Bulk Terminal Report," EIA-816, "Monthly Natural Gas Liquids Report," and EIA-819, "Monthly Oxygenate Report."

**Table 56. Refinery, Bulk Terminal, and Natural Gas Plant Stocks of Selected Petroleum Products by PAD District and State, September 2020**  
(Thousand Barrels)

Commodity	Motor Gasoline			Motor Gasoline Blending Components <sup>1</sup>			Kerosene
	Reformulated	Conventional	Total	Reformulated	Conventional	Total	
<b>PAD District 1</b>	<b>29</b>	<b>1,486</b>	<b>1,515</b>	<b>15,523</b>	<b>30,833</b>	<b>46,356</b>	<b>1,949</b>
Connecticut	—	—	—	990	27	1,017	111
Delaware	—	—	—	662	275	937	37
District of Columbia	—	—	—	—	—	—	—
Florida	—	617	617	—	5,201	5,201	—
Georgia	—	321	321	—	2,680	2,680	—
Maine	—	—	—	350	367	717	224
Maryland	—	—	—	1,503	73	1,576	103
Massachusetts	4	—	4	1,554	—	1,554	55
New Hampshire	—	—	—	—	—	—	—
New Jersey	—	46	46	6,695	10,574	17,269	461
New York	25	6	31	799	2,417	3,216	584
North Carolina	—	214	214	—	2,676	2,676	197
Pennsylvania	—	11	11	713	3,892	4,605	94
Rhode Island	—	—	—	930	—	930	—
South Carolina	—	164	164	—	1,238	1,238	14
Vermont	—	43	43	—	—	—	6
Virginia	—	33	33	1,327	1,268	2,595	63
West Virginia	—	31	31	—	145	145	—
<b>PAD District 2</b>	<b>—</b>	<b>4,227</b>	<b>4,227</b>	<b>3,782</b>	<b>27,770</b>	<b>31,552</b>	<b>167</b>
Illinois	—	346	346	2,125	3,682	5,807	72
Indiana	—	311	311	567	3,349	3,916	1
Iowa	—	184	184	—	1,610	1,610	—
Kansas	—	401	401	—	2,808	2,808	14
Kentucky	—	198	198	378	1,094	1,472	—
Michigan	—	175	175	15	2,788	2,803	—
Minnesota	—	562	562	—	2,095	2,095	—
Missouri	—	230	230	238	658	896	—
Nebraska	—	119	119	—	751	751	—
North Dakota	—	126	126	—	785	785	—
Ohio	—	787	787	3	2,887	2,890	25
Oklahoma	—	466	466	—	1,978	1,978	—
South Dakota	—	46	46	—	290	290	—
Tennessee	—	181	181	—	2,055	2,055	—
Wisconsin	—	95	95	456	940	1,396	55
<b>PAD District 3</b>	<b>—</b>	<b>6,915</b>	<b>6,915</b>	<b>5,928</b>	<b>50,339</b>	<b>56,267</b>	<b>67</b>
Alabama	—	104	104	6	1,572	1,578	2
Arkansas	—	176	176	—	1,099	1,099	—
Louisiana	—	1,208	1,208	244	12,655	12,899	35
Mississippi	—	1,438	1,438	6	1,932	1,938	—
New Mexico	—	25	25	—	524	524	—
Texas	—	3,964	3,964	5,672	32,557	38,229	30
<b>PAD District 4</b>	<b>—</b>	<b>1,590</b>	<b>1,590</b>	<b>—</b>	<b>4,848</b>	<b>4,848</b>	<b>1</b>
Colorado	—	297	297	—	1,403	1,403	—
Idaho	—	288	288	—	140	140	—
Montana	—	378	378	—	1,301	1,301	—
Utah	—	127	127	—	1,213	1,213	1
Wyoming	—	500	500	—	791	791	—
<b>PAD District 5</b>	<b>16</b>	<b>2,529</b>	<b>2,545</b>	<b>12,551</b>	<b>13,845</b>	<b>26,396</b>	<b>16</b>
Alaska	—	661	661	—	—	—	15
Arizona	—	72	72	536	387	923	—
California	16	357	373	11,846	6,795	18,641	1
Hawaii	—	410	410	—	769	769	—
Nevada	—	202	202	9	380	389	—
Oregon	—	72	72	—	1,597	1,597	—
Washington	—	755	755	160	3,917	4,077	—
<b>U.S. Total</b>	<b>45</b>	<b>16,747</b>	<b>16,792</b>	<b>37,784</b>	<b>127,635</b>	<b>165,419</b>	<b>2,200</b>

See footnotes at end of table.

**Table 56. Refinery, Bulk Terminal, and Natural Gas Plant Stocks of Selected Petroleum Products by PAD District and State, September 2020**  
(Thousand Barrels) — Continued

Commodity	Distillate Fuel Oil <sup>1</sup>				Residual Fuel Oil	Propane
	15 ppm sulfur and under	Greater than 15 ppm to 500 ppm sulfur	Greater than 500 ppm	Total		
<b>PAD District 1</b>	<b>51,285</b>	<b>1,351</b>	<b>2,452</b>	<b>55,088</b>	<b>8,843</b>	<b>8,434</b>
Connecticut	5,345	—	—	5,345	16	—
Delaware	344	30	21	395	629	6
District of Columbia	—	—	—	—	—	—
Florida	2,440	217	—	2,657	1,654	574
Georgia	1,786	—	—	1,786	206	13
Maine	2,361	5	27	2,393	88	—
Maryland	4,343	—	—	4,343	615	1
Massachusetts	2,348	52	342	2,742	192	—
New Hampshire	657	—	—	657	44	580
New Jersey	15,604	660	1,299	17,563	2,836	45
New York	6,491	64	103	6,658	1,873	1,954
North Carolina	1,299	—	7	1,306	—	470
Pennsylvania	3,968	13	134	4,115	238	3,423
Rhode Island	1,141	—	—	1,141	—	—
South Carolina	846	—	—	846	102	885
Vermont	96	—	—	96	—	—
Virginia	2,074	285	519	2,878	350	2
West Virginia	142	25	—	167	—	80
<b>PAD District 2</b>	<b>23,886</b>	<b>112</b>	<b>414</b>	<b>24,412</b>	<b>1,335</b>	<b>22,535</b>
Illinois	3,073	—	—	3,073	570	864
Indiana	3,430	—	68	3,498	60	373
Iowa	2,453	1	—	2,454	1	533
Kansas	2,236	—	—	2,236	25	12,223
Kentucky	946	11	—	957	—	273
Michigan	1,570	—	—	1,570	207	6,818
Minnesota	1,548	—	67	1,615	195	386
Missouri	622	53	4	679	—	174
Nebraska	795	—	—	795	—	356
North Dakota	977	1	—	978	23	49
Ohio	1,982	—	36	2,018	145	380
Oklahoma	1,536	38	126	1,700	43	59
South Dakota	672	—	—	672	—	6
Tennessee	822	—	—	822	48	2
Wisconsin	1,224	8	113	1,345	18	39
<b>PAD District 3</b>	<b>39,141</b>	<b>1,249</b>	<b>4,592</b>	<b>44,982</b>	<b>16,977</b>	<b>51,620</b>
Alabama	1,700	8	29	1,737	441	14
Arkansas	1,039	—	—	1,039	—	37
Louisiana	4,106	512	1,283	5,901	8,203	3,858
Mississippi	1,445	533	142	2,120	210	4,377
New Mexico	327	—	—	327	75	3
Texas	30,524	196	3,138	33,858	8,048	43,331
<b>PAD District 4</b>	<b>2,911</b>	<b>143</b>	<b>80</b>	<b>3,134</b>	<b>190</b>	<b>1,539</b>
Colorado	702	—	—	702	3	15
Idaho	273	—	—	273	—	—
Montana	917	88	—	1,005	52	36
Utah	475	12	80	567	63	1,414
Wyoming	544	43	—	587	72	74
<b>PAD District 5</b>	<b>10,666</b>	<b>255</b>	<b>738</b>	<b>11,659</b>	<b>4,716</b>	<b>2,975</b>
Alaska	843	—	76	919	98	4
Arizona	820	—	—	820	—	2,037
California	4,999	242	409	5,650	3,348	703
Hawaii	320	—	241	561	489	85
Nevada	441	—	12	453	—	—
Oregon	934	—	—	934	154	—
Washington	2,309	13	—	2,322	627	146
<b>U.S. Total</b>	<b>127,889</b>	<b>3,110</b>	<b>8,276</b>	<b>139,275</b>	<b>32,061</b>	<b>87,103</b>

— = No Data Reported.

<sup>1</sup> Excludes stocks located in the "Northeast Heating Oil Reserve", "Northeast Regional Refined Petroleum Product Reserve", and "State of New York's Strategic Fuels Reserve Program". For details see Appendix D.

Note: Stocks are reported as of the last day of the month.

Note: Totals may not equal sum of components due to independent rounding.

Sources: Energy Information Administration (EIA) Forms EIA-810, "Monthly Refinery Report," EIA-815, "Monthly Bulk Terminal Report," EIA-816, "Monthly Natural Gas Liquids Report," and EIA-819, "Monthly Oxygenate Report."

**Table 57. Movements of Crude Oil and Petroleum Products by Pipeline, Tanker, Barge, and Rail <sup>1</sup> Between PAD Districts, September 2020**  
(Thousand Barrels)

Commodity	From 1 to			From 2 to				From 3 to	
	2	3	5	1	3	4	5	1	2
<b>Crude Oil</b>	<b>650</b>	<b>33</b>	<b>0</b>	<b>2,390</b>	<b>35,730</b>	<b>6,755</b>	<b>4,196</b>	<b>1,946</b>	<b>14,991</b>
<b>Petroleum Products</b>	<b>16,755</b>	<b>375</b>	<b>50</b>	<b>22,184</b>	<b>40,579</b>	<b>10,152</b>	<b>4,181</b>	<b>85,401</b>	<b>13,960</b>
Natural Gas Liquids	7,189	54	0	7,584	30,651	6,829	555	1,225	6,461
Ethane	5,138	0	—	0	12,432	940	—	0	571
Propane	1,012	0	0	5,792	10,757	3,074	338	1,170	774
Normal Butane	270	0	0	1,620	3,524	1,325	177	40	177
Isobutane	455	54	0	172	1,101	474	40	15	480
Natural Gasoline	314	0	—	0	2,837	1,016	—	0	4,459
Refinery Olefins	0	0	—	186	515	—	—	0	0
Ethylene	—	—	—	—	—	—	—	—	—
Propylene	0	0	—	186	515	—	—	0	0
Normal Butylene	—	—	—	—	—	—	—	—	—
Isobutylene	—	—	—	—	—	—	—	—	—
Unfinished Oils	27	0	—	0	130	—	—	0	25
Motor Gasoline Blending Components	6,421	0	50	1,163	1,667	1,599	0	53,043	3,226
Reformulated - RBOB	0	0	0	0	0	—	0	6,221	655
Conventional	6,421	0	50	1,163	1,667	1,599	0	46,822	2,571
CBOB	6,421	0	0	1,163	1,385	1,599	0	46,822	2,328
GTAB	—	—	—	—	—	—	—	—	—
Other	0	0	50	0	282	—	0	0	243
Renewable Fuels	0	0	0	10,524	5,205	383	3,423	292	0
Fuel Ethanol	0	0	0	10,387	4,852	363	3,186	292	0
Renewable Diesel Fuel <sup>2</sup>	0	0	0	137	352	20	237	0	0
Other Renewable Fuels	—	—	—	—	—	—	—	—	—
Finished Motor Gasoline	122	0	0	486	253	263	0	2,453	508
Reformulated	—	—	—	—	—	—	—	—	—
Reformulated Blended with Fuel Ethanol	—	—	—	—	—	—	—	—	—
Reformulated Other	—	—	—	—	—	—	—	—	—
Conventional	122	0	0	486	253	263	0	2,453	508
Conventional Blended with Fuel Ethanol	—	—	—	—	—	—	—	—	—
Ed55 and Lower	—	—	—	—	—	—	—	—	—
Greater than Ed55	—	—	—	—	—	—	—	—	—
Conventional Other	122	0	0	486	253	263	0	2,453	508
Finished Aviation Gasoline	0	0	—	0	0	—	—	70	10
Kerosene-Type Jet Fuel	161	0	0	95	0	313	0	5,446	1,321
Kerosene	25	0	—	0	0	—	—	103	0
Distillate Fuel Oil	2,748	0	0	909	930	765	0	22,020	1,974
15 ppm sulfur and under	2,748	0	0	909	930	765	0	21,465	1,849
Greater than 15 ppm to 500 ppm sulfur	0	0	—	—	0	—	—	—	125
Greater than 500 ppm sulfur	—	0	—	0	0	—	—	555	—
Residual Fuel Oil	0	297	—	0	423	—	—	0	0
Petrochemical Feedstocks	0	0	—	0	45	—	—	100	0
Naphtha for Petrochemical Feedstock Use	0	0	—	0	45	—	—	100	0
Other Oils for Petrochemical Feedstock Use	—	—	—	—	—	—	—	—	—
Special Naphthas	0	0	—	—	0	—	—	—	9
Lubricants	0	0	—	0	0	—	—	445	208
Waxes	—	—	—	—	—	—	—	—	—
Marketable Petroleum Coke	0	24	0	444	645	0	0	0	26
Asphalt and Road Oil	62	0	0	757	116	0	203	204	183
Miscellaneous Products	0	0	—	36	0	—	—	0	10
<b>Total</b>	<b>17,405</b>	<b>408</b>	<b>50</b>	<b>24,574</b>	<b>76,309</b>	<b>16,907</b>	<b>8,377</b>	<b>87,347</b>	<b>28,951</b>

See footnotes at end of table.

**Table 57. Movements of Crude Oil and Petroleum Products by Pipeline, Tanker, Barge, and Rail <sup>1</sup> Between PAD Districts, September 2020**  
(Thousand Barrels) — Continued

Commodity	From 3 to		From 4 to				From 5 to		
	4	5	1	2	3	5	1	3	4
<b>Crude Oil</b> .....	<b>0</b>	<b>49</b>	<b>0</b>	<b>24,778</b>	<b>237</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>
<b>Petroleum Products</b> .....	<b>0</b>	<b>5,400</b>	<b>0</b>	<b>18,278</b>	<b>3,762</b>	<b>2,228</b>	<b>0</b>	<b>21</b>	<b>0</b>
Natural Gas Liquids .....	0	46	0	17,116	3,601	82	0	0	0
Ethane .....	0	—	0	4,063	1,769	—	0	0	0
Propane .....	0	0	0	6,730	823	56	0	0	0
Normal Butane .....	0	35	0	2,824	278	26	0	0	0
Isobutane .....	0	11	0	1,127	234	0	0	0	0
Natural Gasoline .....	0	—	0	2,372	497	—	0	0	0
Refinery Olefins .....	—	—	0	0	0	—	0	0	—
Ethylene .....	—	—	—	—	—	—	—	—	—
Propylene .....	—	—	0	0	0	—	0	0	—
Normal Butylene .....	—	—	—	—	—	—	—	—	—
Isobutylene .....	—	—	—	—	—	—	—	—	—
Unfinished Oils .....	—	—	0	0	0	—	0	0	—
Motor Gasoline Blending Components .....	0	3,494	0	104	0	997	0	0	0
Reformulated - RBOB .....	—	1,991	0	0	0	0	0	0	—
Conventional .....	0	1,503	0	104	0	997	0	0	0
CBOB .....	0	1,503	0	104	0	997	0	0	0
GTAB .....	—	—	—	—	—	—	—	—	—
Other .....	—	0	0	0	0	0	0	0	—
Renewable Fuels .....	0	401	0	0	0	28	0	0	0
Fuel Ethanol .....	0	0	0	0	0	28	0	0	0
Renewable Diesel Fuel <sup>2</sup> .....	0	401	0	0	0	0	0	0	0
Other Renewable Fuels .....	—	—	—	—	—	—	—	—	—
Finished Motor Gasoline .....	0	0	0	437	0	348	0	0	0
Reformulated .....	—	—	—	—	—	—	—	—	—
Reformulated Blended with Fuel Ethanol .....	—	—	—	—	—	—	—	—	—
Reformulated Other .....	—	—	—	—	—	—	—	—	—
Conventional .....	0	0	0	437	0	348	0	0	0
Conventional Blended with Fuel Ethanol .....	—	—	—	—	—	—	—	—	—
Ed55 and Lower .....	—	—	—	—	—	—	—	—	—
Greater than Ed55 .....	—	—	—	—	—	—	—	—	—
Conventional Other .....	0	0	0	437	0	348	0	0	0
Finished Aviation Gasoline .....	—	—	0	0	0	—	0	0	—
Kerosene-Type Jet Fuel .....	0	192	0	18	0	20	0	0	0
Kerosene .....	—	—	0	0	0	—	0	0	—
Distillate Fuel Oil .....	0	1,049	0	406	0	305	0	0	0
15 ppm sulfur and under .....	0	1,049	0	406	0	305	0	0	0
Greater than 15 ppm to 500 ppm sulfur .....	—	—	—	0	0	—	—	0	—
Greater than 500 ppm sulfur .....	—	—	0	—	0	—	0	0	—
Residual Fuel Oil .....	—	—	0	0	0	—	0	0	—
Petrochemical Feedstocks .....	—	—	0	0	0	—	0	0	—
Naphtha for Petrochemical Feedstock Use .....	—	—	0	0	0	—	0	0	—
Other Oils for Petrochemical Feedstock Use .....	—	—	—	—	—	—	—	—	—
Special Naphthas .....	—	—	—	0	0	—	—	0	—
Lubricants .....	—	—	0	0	0	—	0	0	—
Waxes .....	—	—	—	—	—	—	—	—	—
Marketable Petroleum Coke .....	0	0	0	0	23	197	0	0	0
Asphalt and Road Oil .....	0	218	0	197	139	251	0	21	0
Miscellaneous Products .....	—	—	0	0	0	—	0	0	—
<b>Total</b> .....	<b>0</b>	<b>5,450</b>	<b>0</b>	<b>43,056</b>	<b>3,999</b>	<b>2,228</b>	<b>0</b>	<b>21</b>	<b>0</b>

— = No Data Reported.

<sup>1</sup> Movements of crude oil, propane, normal butane, isobutane, propylene, ethanol, biodiesel, marketable petroleum coke, and asphalt and road oil include movements by rail. Movements of other products are by pipeline, tanker and barge only.

<sup>2</sup> Renewable diesel fuel includes biodiesel and other renewable diesel.

Sources: Energy Information Administration (EIA) Forms EIA-812, "Monthly Product Pipeline Report," EIA-813, "Monthly Crude Oil Report," EIA-817, "Monthly Tanker and Barge Movements Report." Rail net movements estimates based on EIA analysis of data from the Surface Transportation Board and other information.

**Table 58. Movements of Crude Oil and Petroleum Products by Pipeline Between PAD Districts, September 2020**  
(Thousand Barrels)

Commodity	From 1 to		From 2 to			From 3 to			
	2	3	1	3	4	1	2	4	5
<b>Crude Oil</b> .....	<b>164</b>	<b>33</b>	<b>173</b>	<b>34,980</b>	<b>6,755</b>	<b>125</b>	<b>14,991</b>	<b>0</b>	<b>-</b>
<b>Petroleum Products</b> .....	<b>16,332</b>	<b>0</b>	<b>8,115</b>	<b>32,297</b>	<b>9,769</b>	<b>66,722</b>	<b>12,341</b>	<b>0</b>	<b>4,735</b>
Natural Gas Liquids .....	6,887	0	6,464	29,813	6,829	1,148	6,373	0	-
Ethane .....	5,138	0	0	12,432	940	0	571	0	-
Propane .....	983	0	5,048	10,050	3,074	1,148	739	0	-
Normal Butane .....	133	0	1,416	3,452	1,325	0	177	0	-
Isobutane .....	319	0	0	1,042	474	0	427	0	-
Natural Gasoline .....	314	0	0	2,837	1,016	0	4,459	0	-
Motor Gasoline Blending Components .....	6,421	0	486	1,350	1,599	41,548	2,983	0	3,494
Reformulated - RBOB .....	0	0	0	0	-	6,221	655	-	1,991
Conventional .....	6,421	0	486	1,350	1,599	35,327	2,328	0	1,503
CBOB .....	6,421	0	486	1,350	1,599	35,327	2,328	0	1,503
GTAB .....	-	-	-	-	-	-	-	-	-
Other .....	-	-	-	-	-	-	-	-	-
Renewable Fuels .....	-	-	-	-	-	-	-	-	-
Fuel Ethanol .....	-	-	-	-	-	-	-	-	-
Renewable Diesel Fuel <sup>1</sup> .....	-	-	-	-	-	-	-	-	-
Other Renewable Fuels .....	-	-	-	-	-	-	-	-	-
Finished Motor Gasoline .....	122	0	438	220	263	867	389	0	0
Reformulated .....	-	-	-	-	-	-	-	-	-
Reformulated Blended with Fuel Ethanol .....	-	-	-	-	-	-	-	-	-
Reformulated Other .....	-	-	-	-	-	-	-	-	-
Conventional .....	122	0	438	220	263	867	389	0	0
Conventional Blended with Fuel Ethanol .....	-	-	-	-	-	-	-	-	-
Ed55 and Lower .....	-	-	-	-	-	-	-	-	-
Greater than Ed55 .....	-	-	-	-	-	-	-	-	-
Conventional Other .....	122	0	438	220	263	867	389	0	0
Finished Aviation Gasoline .....	-	-	-	-	-	-	-	-	-
Kerosene-Type Jet Fuel .....	161	0	95	0	313	4,695	857	0	192
Kerosene .....	25	0	0	0	-	103	0	-	-
Distillate Fuel Oil .....	2,716	0	596	914	765	18,361	1,739	0	1,049
15 ppm sulfur and under .....	2,716	0	596	914	765	17,806	1,614	0	1,049
Greater than 15 ppm to 500 ppm sulfur .....	0	0	-	0	-	-	125	-	-
Greater than 500 ppm sulfur .....	-	0	0	0	-	555	-	-	-
Residual Fuel Oil .....	-	-	-	-	-	-	-	-	-
Miscellaneous Products .....	0	-	36	-	-	0	0	-	-
<b>Total</b> .....	<b>16,496</b>	<b>33</b>	<b>8,288</b>	<b>67,277</b>	<b>16,524</b>	<b>66,847</b>	<b>27,332</b>	<b>0</b>	<b>4,735</b>

See footnotes at end of table.



**Table 58. Movements of Crude Oil and Petroleum Products by Pipeline Between PAD Districts, September 2020**  
(Thousand Barrels) — Continued

Commodity	From 4 to				From 5 to	
	1	2	3	5	3	4
<b>Crude Oil</b> .....	<b>0</b>	<b>24,778</b>	<b>237</b>	<b>—</b>	<b>0</b>	<b>0</b>
<b>Petroleum Products</b> .....	<b>0</b>	<b>18,081</b>	<b>3,601</b>	<b>1,670</b>	<b>0</b>	<b>0</b>
Natural Gas Liquids .....	0	17,116	3,601	—	0	0
Ethane .....	0	4,063	1,769	—	0	0
Propane .....	0	6,730	823	—	0	0
Normal Butane .....	0	2,824	278	—	0	0
Isobutane .....	0	1,127	234	—	0	0
Natural Gasoline .....	0	2,372	497	—	0	0
Motor Gasoline Blending Components .....	0	104	0	997	0	0
Reformulated - RBOB .....	0	0	0	0	0	—
Conventional .....	0	104	0	997	0	0
CBOB .....	0	104	0	997	0	0
GTAB .....	—	—	—	—	—	—
Other .....	—	—	—	—	—	—
Renewable Fuels .....	—	—	—	—	—	—
Fuel Ethanol .....	—	—	—	—	—	—
Renewable Diesel Fuel <sup>1</sup> .....	—	—	—	—	—	—
Other Renewable Fuels .....	—	—	—	—	—	—
Finished Motor Gasoline .....	0	437	0	348	0	0
Reformulated .....	—	—	—	—	—	—
Reformulated Blended with Fuel Ethanol .....	—	—	—	—	—	—
Reformulated Other .....	—	—	—	—	—	—
Conventional .....	0	437	0	348	0	0
Conventional Blended with Fuel Ethanol .....	—	—	—	—	—	—
Ed55 and Lower .....	—	—	—	—	—	—
Greater than Ed55 .....	—	—	—	—	—	—
Conventional Other .....	0	437	0	348	0	0
Finished Aviation Gasoline .....	—	—	—	—	—	—
Kerosene-Type Jet Fuel .....	0	18	0	20	0	0
Kerosene .....	0	0	0	—	0	—
Distillate Fuel Oil .....	0	406	0	305	0	0
15 ppm sulfur and under .....	0	406	0	305	0	0
Greater than 15 ppm to 500 ppm sulfur .....	—	0	0	—	0	—
Greater than 500 ppm sulfur .....	0	—	0	—	0	—
Residual Fuel Oil .....	—	—	—	—	—	—
Miscellaneous Products .....	0	0	—	—	—	—
<b>Total</b> .....	<b>0</b>	<b>42,859</b>	<b>3,838</b>	<b>1,670</b>	<b>0</b>	<b>0</b>

— = Not Applicable.

— = No Data Reported.

<sup>1</sup> Renewable diesel fuel includes biodiesel and other renewable diesel.

Sources: Energy Information Administration (EIA) Forms EIA-812, "Monthly Product Pipeline Report," EIA-813, "Monthly Crude Oil Report."

**Table 59. Movements of Crude Oil and Petroleum Products by Tanker and Barge Between PAD Districts, September 2020**  
(Thousand Barrels)

Commodity	From 1 to			From 2 to		
	2	3	5	1	3	5
<b>Crude Oil</b> .....	<b>486</b>	<b>0</b>	<b>-</b>	<b>323</b>	<b>551</b>	<b>-</b>
<b>Petroleum Products</b> .....	<b>59</b>	<b>297</b>	<b>50</b>	<b>1,429</b>	<b>1,212</b>	<b>0</b>
Natural Gas Liquids .....	-	0	-	0	0	-
Ethane .....	-	-	-	-	-	-
Propane .....	-	0	-	0	0	-
Normal Butane .....	-	-	-	-	-	-
Isobutane .....	-	-	-	-	-	-
Natural Gasoline .....	-	-	-	-	-	-
Unfinished Oils .....	27	0	-	0	130	-
Motor Gasoline Blending Components .....	0	0	50	677	317	0
Reformulated - RBOB .....	-	-	-	-	-	-
Conventional .....	0	0	50	677	317	0
CBOB .....	0	0	-	677	35	-
GTAB .....	-	-	-	-	-	-
Other .....	0	0	50	0	282	0
Renewable Fuels .....	0	0	0	284	192	0
Fuel Ethanol .....	0	0	-	284	183	-
Renewable Diesel Fuel <sup>1</sup> .....	0	0	0	-	9	0
Other Renewable Fuels .....	-	-	-	-	-	-
Finished Motor Gasoline .....	0	0	-	48	33	-
Reformulated .....	-	-	-	-	-	-
Reformulated Blended with Fuel Ethanol .....	-	-	-	-	-	-
Reformulated Other .....	-	-	-	-	-	-
Conventional .....	0	0	-	48	33	-
Conventional Blended with Fuel Ethanol .....	-	-	-	-	-	-
Ed55 and Lower .....	-	-	-	-	-	-
Greater than Ed55 .....	-	-	-	-	-	-
Conventional Other .....	0	0	-	48	33	-
Finished Aviation Gasoline .....	0	0	-	0	0	-
Kerosene-Type Jet Fuel .....	0	0	-	0	0	-
Kerosene .....	-	-	-	-	-	-
Distillate Fuel Oil .....	32	0	-	313	16	-
15 ppm sulfur and under .....	32	0	-	313	16	-
Greater than 15 ppm to 500 ppm sulfur .....	-	-	-	-	-	-
Greater than 500 ppm sulfur .....	-	-	-	-	-	-
Residual Fuel Oil .....	0	297	-	0	423	-
Less than 0.31 percent sulfur .....	-	-	-	-	-	-
0.31 to 1.00 percent sulfur .....	0	297	-	0	284	-
Greater than 1.00 percent sulfur .....	0	0	-	-	139	-
Petrochemical Feedstocks .....	0	0	-	0	45	-
Naphtha for Petrochemical Feedstock Use .....	0	0	-	0	45	-
Other Oils for Petrochemical Feedstock Use .....	-	-	-	-	-	-
Special Naphthas .....	0	0	-	-	0	-
Lubricants .....	0	0	-	0	0	-
Waxes .....	-	-	-	-	-	-
Marketable Petroleum Coke .....	-	-	-	-	-	-
Asphalt and Road Oil .....	0	0	-	107	56	-
Miscellaneous Products .....	0	0	-	-	0	-
<b>Total</b> .....	<b>545</b>	<b>297</b>	<b>50</b>	<b>1,752</b>	<b>1,763</b>	<b>0</b>

See footnotes at end of table.

**Table 59. Movements of Crude Oil and Petroleum Products by Tanker and Barge Between PAD Districts, September 2020**  
(Thousand Barrels) — Continued

Commodity	From 3 to						From 5 to		
	1	New England	Central Atlantic	Lower Atlantic	2	5	1	2	3
<b>Crude Oil</b>	<b>1,821</b>	—	<b>1,821</b>	—	<b>0</b>	—	<b>0</b>	<b>0</b>	<b>0</b>
<b>Petroleum Products</b>	<b>18,564</b>	<b>23</b>	<b>671</b>	<b>17,870</b>	<b>1,359</b>	<b>301</b>	<b>0</b>	<b>0</b>	<b>0</b>
Natural Gas Liquids	22	—	—	22	—	—	0	—	0
Ethane	—	—	—	—	—	—	—	—	—
Propane	22	—	—	22	—	—	0	—	0
Normal Butane	—	—	—	—	—	—	—	—	—
Isobutane	—	—	—	—	—	—	—	—	—
Natural Gasoline	—	—	—	—	—	—	—	—	—
Unfinished Oils	0	—	—	—	25	—	0	0	0
Motor Gasoline Blending Components	11,495	—	—	11,495	243	0	0	0	0
Reformulated - RBOB	—	—	—	—	—	—	—	—	—
Conventional	11,495	—	—	11,495	243	0	0	0	0
CBOB	11,495	—	—	11,495	0	—	0	0	0
GTAB	—	—	—	—	—	—	—	—	—
Other	0	—	—	—	243	0	0	0	0
Renewable Fuels	292	—	—	292	0	301	0	0	0
Fuel Ethanol	292	—	—	292	0	—	0	0	0
Renewable Diesel Fuel <sup>1</sup>	—	—	—	—	0	301	—	0	0
Other Renewable Fuels	—	—	—	—	—	—	—	—	—
Finished Motor Gasoline	1,586	—	—	1,586	119	—	0	0	0
Reformulated	—	—	—	—	—	—	—	—	—
Reformulated Blended with Fuel Ethanol	—	—	—	—	—	—	—	—	—
Reformulated Other	—	—	—	—	—	—	—	—	—
Conventional	1,586	—	—	1,586	119	—	0	0	0
Conventional Blended with Fuel Ethanol	—	—	—	—	—	—	—	—	—
Ed55 and Lower	—	—	—	—	—	—	—	—	—
Greater than Ed55	—	—	—	—	—	—	—	—	—
Conventional Other	1,586	—	—	1,586	119	—	0	0	0
Finished Aviation Gasoline	70	23	8	39	10	—	0	0	0
Kerosene-Type Jet Fuel	751	—	—	751	464	—	0	0	0
Kerosene	—	—	—	—	—	—	—	—	—
Distillate Fuel Oil	3,659	—	299	3,360	235	—	0	0	0
15 ppm sulfur and under	3,659	—	299	3,360	235	—	0	0	0
Greater than 15 ppm to 500 ppm sulfur	—	—	—	—	—	—	—	—	—
Greater than 500 ppm sulfur	—	—	—	—	—	—	—	—	—
Residual Fuel Oil	0	—	—	—	0	—	0	0	0
Less than 0.31 percent sulfur	—	—	—	—	—	—	—	—	—
0.31 to 1.00 percent sulfur	0	—	—	—	0	—	0	0	0
Greater than 1.00 percent sulfur	—	—	—	—	0	—	—	0	0
Petrochemical Feedstocks	100	—	100	—	0	—	0	0	0
Naphtha for Petrochemical Feedstock Use	100	—	100	—	0	—	0	0	0
Other Oils for Petrochemical Feedstock Use	—	—	—	—	—	—	—	—	—
Special Naphthas	—	—	—	—	9	—	—	0	0
Lubricants	445	—	264	181	208	—	0	0	0
Waxes	—	—	—	—	—	—	—	—	—
Marketable Petroleum Coke	—	—	—	—	—	—	—	—	—
Asphalt and Road Oil	144	—	—	144	36	—	0	0	0
Miscellaneous Products	—	—	—	—	10	—	—	0	0
<b>Total</b>	<b>20,385</b>	<b>23</b>	<b>2,492</b>	<b>17,870</b>	<b>1,359</b>	<b>301</b>	<b>0</b>	<b>0</b>	<b>0</b>

— = No Data Reported.

<sup>1</sup> Renewable diesel fuel includes biodiesel and other renewable diesel.

Sources: Energy Information Administration (EIA) Form EIA-817, "Monthly Tanker and Barge Movements Report."

**Table 60. Movements of Crude Oil and Selected Products by Rail Between PAD Districts, September 2020**  
(Thousand Barrels)

Commodity	From 1 to				From 2 to			
	2	3	4	5	1	3	4	5
Crude Oil .....	0	0	–	0	1,894	199	–	4,196
Propane .....	29	0	0	0	744	707	0	338
Propylene .....	0	0	–	–	186	515	–	–
Normal Butane .....	137	0	0	0	204	72	0	177
Isobutane .....	136	54	0	0	172	59	0	40
Fuel Ethanol .....	0	0	0	0	10,103	4,669	363	3,186
Biodiesel .....	0	0	0	0	137	343	20	237
Marketable Petroleum Coke .....	0	24	0	0	444	645	0	0
Asphalt and Road Oil .....	62	0	0	0	650	60	0	203

Commodity	From 3 to				From 4 to			
	1	2	4	5	1	2	3	5
Crude Oil .....	0	0	–	49	0	0	0	0
Propane .....	0	35	0	0	0	0	0	56
Propylene .....	0	0	–	–	0	0	0	–
Normal Butane .....	40	0	0	35	0	0	0	26
Isobutane .....	15	53	0	11	0	0	0	0
Fuel Ethanol .....	0	0	0	0	0	0	0	28
Biodiesel .....	0	0	0	100	0	0	0	0
Marketable Petroleum Coke .....	0	26	0	0	0	0	23	197
Asphalt and Road Oil .....	60	147	0	218	0	197	139	251

Commodity	From 5 to			
	1	2	3	4
Crude Oil .....	0	0	0	–
Propane .....	0	0	0	0
Propylene .....	0	0	0	–
Normal Butane .....	0	0	0	0
Isobutane .....	0	0	0	0
Fuel Ethanol .....	0	0	0	0
Biodiesel .....	0	0	0	0
Marketable Petroleum Coke .....	0	0	0	0
Asphalt and Road Oil .....	0	0	21	0

– = No Data Reported.

Source: Rail Movements are estimates based on EIA analysis of data from the Surface Transportation Board and other information.

**Table 61. Movements of Crude Oil by Pipeline, Tanker, Barge and Rail between PAD Districts, September 2020**  
(Thousand Barrels)

PADD	Pipeline	Tanker and Barge	Rail	Total
<b>From 1 to</b>				
2 .....	164	486	0	650
3 .....	33	0	0	33
4 .....	0	—	—	0
5 .....	—	—	0	0
<b>From 2 to</b>				
1 .....	173	323	1,894	2,390
3 .....	34,980	551	199	35,730
4 .....	6,755	—	—	6,755
5 .....	—	—	4,196	4,196
<b>From 3 to</b>				
1 .....	125	1,821	0	1,946
2 .....	14,991	0	0	14,991
4 .....	0	—	—	0
5 .....	—	—	49	49
<b>From 4 to</b>				
1 .....	0	0	0	0
2 .....	24,778	0	0	24,778
3 .....	237	0	0	237
5 .....	—	—	0	0
<b>From 5 to</b>				
1 .....	0	0	0	0
2 .....	0	0	0	0
3 .....	0	0	0	0
4 .....	0	—	—	0

— = No Data Reported.

Sources: Energy Information Administration (EIA) Forms EIA-813, "Monthly Crude Oil Report," EIA-817, "Monthly Tanker and Barge Movements Report." Rail movements estimates based on EIA analysis of data from the Surface Transportation Board and other information.

**Table 62. Net Movements of Crude Oil and Petroleum Products by Pipeline, Tanker, Barge and Rail <sup>1</sup> Between PAD Districts, September 2020**  
(Thousand Barrels)

Commodity	PAD District 1			PAD District 2			PAD District 3		
	Receipts	Shipments	Net Receipts	Receipts	Shipments	Net Receipts	Receipts	Shipments	Net Receipts
<b>Crude Oil</b>	<b>4,336</b>	<b>683</b>	<b>3,653</b>	<b>40,419</b>	<b>49,071</b>	<b>-8,652</b>	<b>36,000</b>	<b>16,986</b>	<b>19,014</b>
<b>Petroleum Products</b>	<b>107,585</b>	<b>17,179</b>	<b>90,405</b>	<b>48,993</b>	<b>77,096</b>	<b>-28,103</b>	<b>44,737</b>	<b>104,761</b>	<b>-60,025</b>
Natural Gas Liquids	8,809	7,243	1,566	30,766	45,619	-14,853	34,306	7,732	26,574
Ethane	0	5,138	-5,138	9,772	13,372	-3,600	14,201	571	13,630
Propane	6,962	1,012	5,950	8,516	19,961	-11,445	11,580	1,944	9,636
Normal Butane	1,660	270	1,390	3,271	6,646	-3,375	3,802	252	3,550
Isobutane	187	509	-322	2,062	1,787	275	1,389	506	883
Natural Gasoline	0	314	-314	7,145	3,853	3,292	3,334	4,459	-1,125
Refinery Olefins	186	0	186	0	701	-701	515	0	515
Ethylene	0	0	-	-	-	-	0	0	-
Propylene	186	0	186	0	701	-701	515	0	515
Normal Butylene	0	0	-	0	0	-	0	0	-
Isobutylene	0	0	-	0	0	-	0	0	-
Unfinished Oils	0	27	-27	52	130	-78	130	25	105
Motor Gasoline Blending Components	54,206	6,471	47,735	9,751	4,429	5,322	1,667	59,763	-58,096
Reformulated - RBOB	6,221	0	6,221	655	0	655	0	8,867	-8,867
Conventional	47,985	6,471	41,514	9,096	4,429	4,667	1,667	50,896	-49,229
CBOB	47,985	6,421	41,564	8,853	4,147	4,706	1,385	50,653	-49,268
GTAB	0	0	-	-	-	-	-	-	-
Other	0	50	-50	243	282	-39	282	243	39
Renewable Fuels	10,816	0	10,816	0	19,535	-19,535	5,205	693	4,512
Fuel Ethanol	10,679	0	10,679	0	18,789	-18,789	4,852	292	4,560
Renewable Diesel Fuel <sup>2</sup>	137	0	137	0	746	-746	352	401	-49
Other Renewable Fuels	-	-	-	-	-	-	0	0	-
Finished Motor Gasoline	2,939	122	2,817	1,067	1,002	65	253	2,961	-2,708
Reformulated	0	0	-	0	0	-	0	0	-
Reformulated Blended with Fuel Ethanol	0	0	-	0	0	-	0	0	-
Reformulated Other	-	-	-	-	-	-	-	-	-
Conventional	2,939	122	2,817	1,067	1,002	65	253	2,961	-2,708
Conventional Blended with Fuel Ethanol	0	0	-	0	0	-	0	0	-
Ed55 and Lower	0	0	-	0	0	-	0	0	-
Greater than Ed55	0	0	-	0	0	-	0	0	-
Conventional Other	2,939	122	2,817	1,067	1,002	65	253	2,961	-2,708
Finished Aviation Gasoline	70	0	70	10	0	10	0	80	-80
Kerosene-Type Jet Fuel	5,541	161	5,380	1,500	408	1,092	0	6,959	-6,959
Kerosene	103	25	78	25	0	25	0	103	-103
Distillate Fuel Oil	22,929	2,748	20,181	5,128	2,604	2,524	930	25,043	-24,113
15 ppm sulfur and under	22,374	2,748	19,626	5,003	2,604	2,399	930	24,363	-23,433
Greater than 15 ppm to 500 ppm sulfur	0	0	-	125	0	125	0	125	-125
Greater than 500 ppm sulfur	555	0	555	0	0	-	0	555	-555
Residual Fuel Oil	0	297	-297	0	423	-423	720	0	720
Petrochemical Feedstocks	100	0	100	0	45	-45	45	100	-55
Naphtha for Petrochemical Feedstock Use	100	0	100	0	45	-45	45	100	-55
Other Oils for Petrochemical Feedstock Use	-	-	-	0	0	-	0	0	-
Special Naphthas	0	0	-	9	0	9	0	9	-9
Lubricants	445	0	445	208	0	208	0	653	-653
Waxes	0	0	-	0	0	-	0	0	-
Marketable Petroleum Coke	444	24	421	26	1,089	-1,063	691	26	665
Asphalt and Road Oil	961	62	899	441	1,075	-634	275	605	-330
Miscellaneous Products	36	0	36	10	36	-26	0	10	-10
<b>Total</b>	<b>111,920</b>	<b>17,862</b>	<b>94,058</b>	<b>89,412</b>	<b>126,168</b>	<b>-36,756</b>	<b>80,737</b>	<b>121,748</b>	<b>-41,011</b>

See footnotes at end of table.

**Table 62. Net Movements of Crude Oil and Petroleum Products by Pipeline, Tanker, Barge and Rail <sup>1</sup> Between PAD Districts, September 2020**  
(Thousand Barrels) — Continued

Commodity	PAD District 4			PAD District 5		
	Receipts	Shipments	Net Receipts	Receipts	Shipments	Net Receipts
<b>Crude Oil</b> .....	<b>6,755</b>	<b>25,015</b>	<b>-18,260</b>	<b>4,246</b>	<b>0</b>	<b>4,246</b>
<b>Petroleum Products</b> .....	<b>10,152</b>	<b>24,268</b>	<b>-14,116</b>	<b>11,859</b>	<b>21</b>	<b>11,839</b>
Natural Gas Liquids .....	6,829	20,799	-13,970	683	0	683
Ethane .....	940	5,832	-4,892	0	0	—
Propane .....	3,074	7,609	-4,535	394	0	394
Normal Butane .....	1,325	3,128	-1,803	238	0	238
Isobutane .....	474	1,361	-887	51	0	51
Natural Gasoline .....	1,016	2,869	-1,853	0	0	—
Refinery Olefins .....	0	0	—	0	0	—
Ethylene .....	—	—	—	—	—	—
Propylene .....	0	0	—	0	0	—
Normal Butylene .....	0	0	—	0	0	—
Isobutylene .....	0	0	—	0	0	—
Unfinished Oils .....	0	0	—	0	0	—
Motor Gasoline Blending Components .....	1,599	1,101	498	4,541	0	4,541
Reformulated - RBOB .....	—	—	—	1,991	0	1,991
Conventional .....	1,599	1,101	498	2,550	0	2,550
CBOB .....	1,599	1,101	498	2,500	0	2,500
GTAB .....	—	—	—	0	0	—
Other .....	0	0	—	50	0	50
Renewable Fuels .....	383	28	355	3,852	0	3,852
Fuel Ethanol .....	363	28	335	3,214	0	3,214
Renewable Diesel Fuel <sup>2</sup> .....	20	0	20	638	0	638
Other Renewable Fuels .....	—	—	—	0	0	—
Finished Motor Gasoline .....	263	785	-522	348	0	348
Reformulated .....	—	—	—	0	0	—
Reformulated Blended with Fuel Ethanol .....	—	—	—	0	0	—
Reformulated Other .....	—	—	—	—	—	—
Conventional .....	263	785	-522	348	0	348
Conventional Blended with Fuel Ethanol .....	0	0	—	0	0	—
Ed55 and Lower .....	0	0	—	0	0	—
Greater than Ed55 .....	0	0	—	0	0	—
Conventional Other .....	263	785	-522	348	0	348
Finished Aviation Gasoline .....	0	0	—	0	0	—
Kerosene-Type Jet Fuel .....	313	38	275	212	0	212
Kerosene .....	0	0	—	0	0	—
Distillate Fuel Oil .....	765	711	54	1,354	0	1,354
15 ppm sulfur and under .....	765	711	54	1,354	0	1,354
Greater than 15 ppm to 500 ppm sulfur .....	0	0	—	0	0	—
Greater than 500 ppm sulfur .....	0	0	—	0	0	—
Residual Fuel Oil .....	0	0	—	0	0	—
Petrochemical Feedstocks .....	—	—	—	0	0	—
Naphtha for Petrochemical Feedstock Use .....	—	—	—	0	0	—
Other Oils for Petrochemical Feedstock Use .....	—	—	—	—	—	—
Special Naphthas .....	—	—	—	0	0	—
Lubricants .....	0	0	—	0	0	—
Waxes .....	0	0	—	0	0	—
Marketable Petroleum Coke .....	0	220	-220	197	0	197
Asphalt and Road Oil .....	0	586	-586	672	21	651
Miscellaneous Products .....	0	0	—	0	0	—
<b>Total</b> .....	<b>16,907</b>	<b>49,283</b>	<b>-32,376</b>	<b>16,105</b>	<b>21</b>	<b>16,084</b>

— = No Data Reported.

<sup>1</sup> Movements of crude oil, propane, normal butane, isobutane, propylene, ethanol, biodiesel, marketable petroleum coke, and asphalt and road oil include movements by rail. Movements of other products are by pipeline, tanker and barge only.

<sup>2</sup> Renewable diesel fuel includes biodiesel and other renewable diesel.

Sources: Energy Information Administration (EIA) Forms EIA-812, "Monthly Product Pipeline Report," EIA-813, "Monthly Crude Oil Report," EIA-817, "Monthly Tanker and Barge Movements Report." Rail net movements estimates based on EIA analysis of data from the Surface Transportation Board and other information.

## District Descriptions and Maps

The following are the Refining Districts which make up the Petroleum Administration for Defense (PAD) Districts.

### PAD District I

**East Coast:** The District of Columbia and the States of Maine, New Hampshire, Vermont, Massachusetts, Rhode Island, Connecticut, New Jersey, Delaware, Maryland, Virginia, North Carolina, South Carolina, Georgia, Florida, and the following counties of the State of New York: Cayuga, Tompkins, Chemung, and all counties east and north thereof. Also the following counties in the State of Pennsylvania: Bradford, Sullivan, Columbia, Montour, Northumberland, Dauphin, York, and all counties east thereof.

**Appalachian No. 1:** The State of West Virginia and those parts of the States of Pennsylvania and New York not included in the East Coast District.

### Sub-PAD District I

**New England:** The States of Connecticut, Maine, Massachusetts, New Hampshire, Rhode Island, and Vermont.

**Central Atlantic:** The District of Columbia and the States of Delaware, Maryland, New Jersey, New York, and Pennsylvania.

**Lower Atlantic:** The States of Florida, Georgia, North Carolina, South Carolina, Virginia and West Virginia.

### PAD District II

**Indiana-Illinois-Kentucky:** The States of Indiana, Illinois, Kentucky, Tennessee, Michigan, and Ohio.

**Minnesota-Wisconsin-North and South Dakota:** The States of Minnesota, Wisconsin, North Dakota, and South Dakota.

**Oklahoma-Kansas-Missouri:** The States of Oklahoma, Kansas, Missouri, Nebraska, and Iowa.

### PAD District III

**Texas Inland:** The State of Texas except the Texas Gulf Coast District.

**Texas Gulf Coast:** The following counties of the State of Texas: Newton, Orange, Jefferson, Jasper, Tyler, Hardin, Liberty, Chambers, Polk, San Jacinto, Montgomery, Harris, Galveston, Waller, Fort Bend, Brazoria, Wharton, Matagorda, Jackson, Victoria, Calhoun, Refugio, Aransas, San Patricio, Nueces, Kleberg, Kenedy, Willacy, and Cameron.

**Louisiana Gulf Coast:** The following Parishes of the State of Louisiana: Vernon, Rapides, Avoyelles, Pointe Coupee, West Feliciana, East Feliciana, Saint Helena, Tangipahoa, Washington, and all Parishes south thereof. Also the following counties of the State of Mississippi: Pearl River, Stone, George, Hancock, Harrison, and Jackson. Also the following counties of the State of Alabama: Mobile and Baldwin.

**North Louisiana-Arkansas:** The State of Arkansas and those parts of the States of Louisiana, Mississippi, and Alabama not included in the Louisiana Gulf Coast District.

**New Mexico:** The State of New Mexico.

### PAD District IV

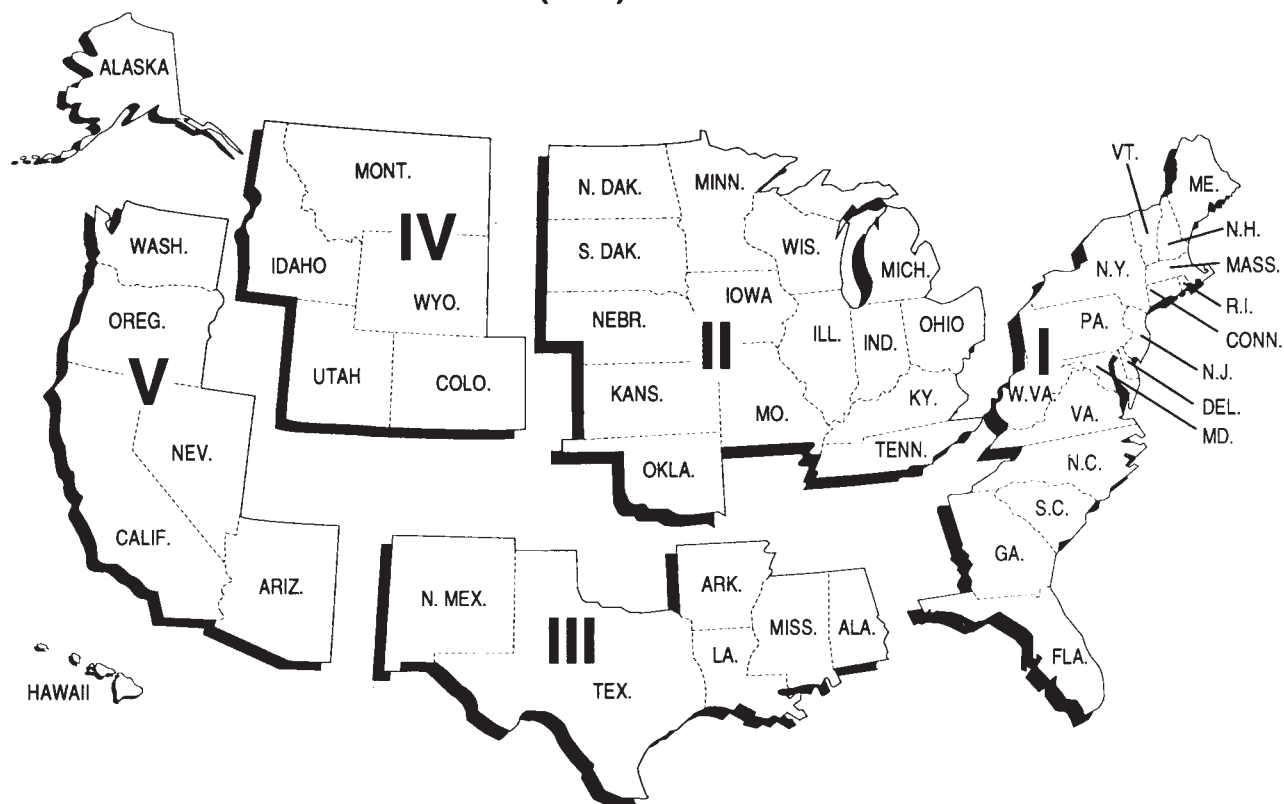
**Rocky Mountain:** The States of Montana, Idaho, Wyoming, Utah, and Colorado.

### PAD District V

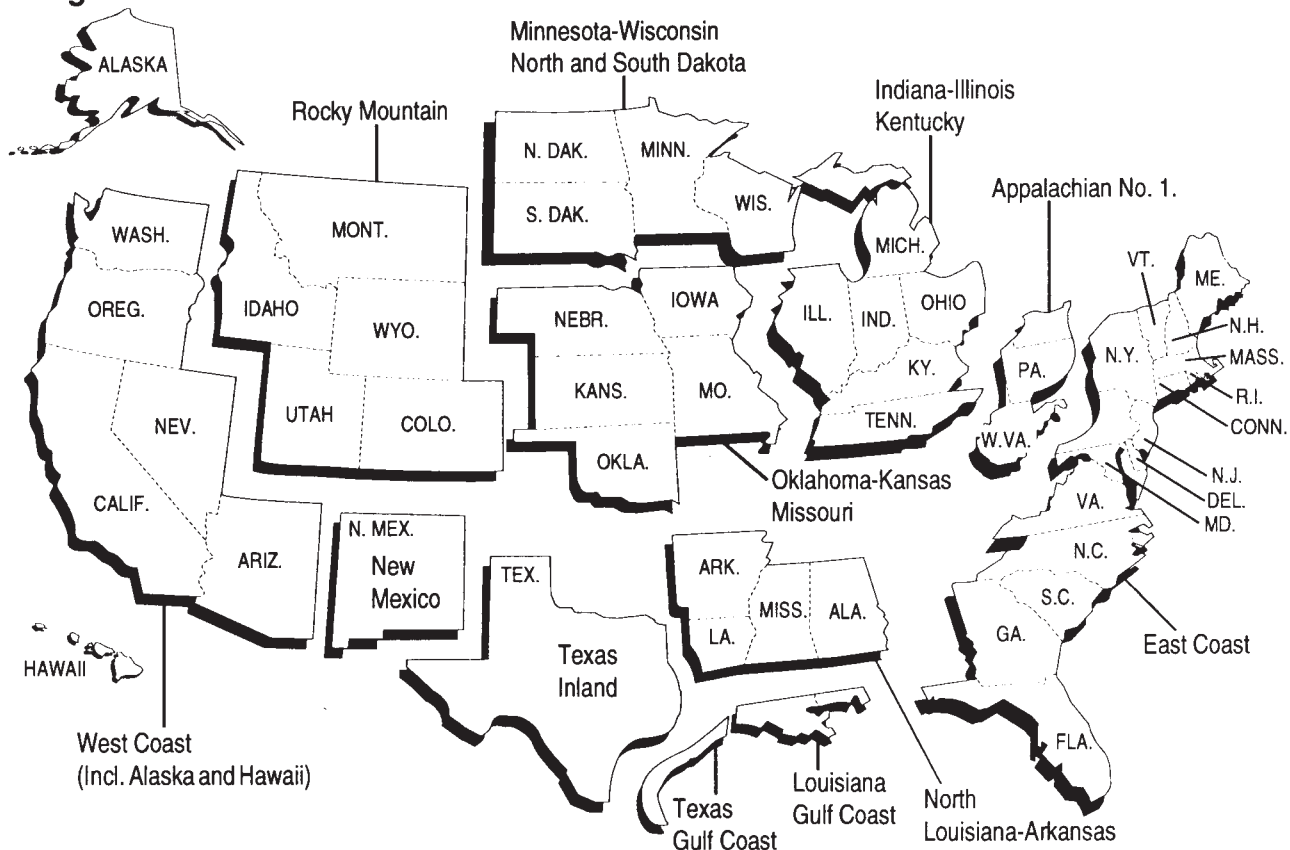
**West Coast:** The States of Washington, Oregon, California, Nevada, Arizona, Alaska, and Hawaii.



## Petroleum Administration for Defense (PAD) Districts



## Refining Districts



## PSM Explanatory Notes

### Preface

The *Petroleum Supply Monthly* (PSM) and *Petroleum Supply Annual* (PSA) are reports produced by the Monthly Petroleum Supply Reporting System (MPSRS) operated by the U.S. Energy Information Administration (EIA). The PSM and PSA track supply and disposition of crude oil, hydrocarbon gas liquids, petroleum products, and biofuels. The reports are produced by the Office of Petroleum and Biofuel Statistics of the U.S. Energy Information Administration (EIA).

Data presented in the PSM and PSA describe supply and disposition of crude oil, hydrocarbon gas liquids, petroleum products, and biofuels in the United States, and major U.S. geographic regions with selected data available at the state level. Data describe production, imports, exports, inter-Petroleum Administration for Defense District (PADD) movements, and inventories in the United States (50 States and the District of Columbia). The reporting universe includes operators engaged in primary supply activities including refining, motor gasoline blending, natural gas processing and fractionation, inter-PADD transportation, importers, and major inventory holders. When aggregated, data reported by operators in these sectors are used to derive consumption of petroleum products in the United States.

Monthly and year-to-date data are normally released in the PSM on the last business day of each month. Monthly data are available approximately 60 days after the end of each reference month. Revised monthly data and annual totals and averages are released in the PSA usually at the end of August each year.

## Appendix B. Explanatory Notes

### 1. Overview

#### A. The Energy Information Administration's Quality Guidelines

Data contained in the *Petroleum Supply Monthly* (PSM) and *Petroleum Supply Annual* (PSA) are subject to information quality guidelines issued by the Office of Management and Budget (OMB), the Department of Energy (DOE), and Energy Information Administration (EIA). With available resources, EIA continually works to improve its systems in order to provide high quality information needed by public and private policymakers and decision makers. EIA has performance standards to ensure the quality (i.e., objectivity, utility, and integrity) of information it disseminates to the public. Quality is ensured and maximized at levels appropriate to the nature and timeliness of the disseminated information.

#### B. Concepts of Product Supply and Demand

Petroleum supply estimates contained in the PSM and PSA are used for calculation of petroleum demand measured as product supplied. Product supplied is often called “implied” demand because it is a measure of demand that is implied by disappearance of petroleum product barrels from facilities and activities in the “primary” supply chain. Facilities and activities in the primary supply chain include refineries, bulk storage and blending terminals, natural gas processing plants and fractionators, renewable fuels and oxygenate production plants, imports, exports, , and transportation by pipelines, tankers, barges, and railroads. Total product supplied at the U.S. level is equal to the sum of field production (including production of crude oil and natural gas liquids from natural gas processing plants), refinery and blender net production, renewable fuels and oxygenate plant net production, imports, and adjustments, minus the sum of stock change, refinery and blender net inputs, and exports. Net receipts are added to supply when product supplied is calculated for Petroleum Administration for Defense Districts (PADD). Crude oil product supplied is zero after September 1997 because crude oil is processed in refineries to produce fuels and other products rather than being used directly as fuel. Data include crude oil used directly as fuel between January 1981 and September 1997.

The secondary supply chain falls between primary supply and end-users. Product barrels typically flow in bulk quantities from primary supply into secondary supply before delivery to consumers. Fuels and other products held by consumers are considered to be in tertiary supply. Secondary supply facilities and activities include storage at bulk plants and retail outlets. Bulk plants are wholesale storage facilities that have less than 50,000 barrels of storage capacity and, as defined by EIA, receive product only by rail or truck, but not by barge, tanker, or pipeline. Tertiary inventories are held by end users and include fuel in vehicle tanks, heating oil in residential tanks, fuel oil held by utilities, fuel and nonfuel products held by end users, and certain proprietary storage of raw materials such as propane held at chemical plants for use as ethylene feedstock.

There is a delay between the time when barrels are reported as demand measured as product supplied and when the same barrels are actually

consumed. The delay is due to the time required for barrels to move from primary supply through secondary and tertiary supply chains and ultimately to end users where the barrels are actually consumed as fuel, feedstock, or for other purposes. Users of demand measured as product supplied should expect product supplied to either anticipate or lag timing of actual petroleum consumption.

#### C. Components of Supply and Disposition

The detailed statistics tables in the PSM provide complete supply and disposition information for the current month and year to date. The tables are organized to locate National and Petroleum Administration for Defense (PAD) District supply and disposition data at the front followed by tables that contain detailed information on supply and disposition. These include tables on crude oil and petroleum product production, import/export data, stocks information, and lastly, data on crude oil and petroleum product movements. To assist in the interpretation of these tables, the following discussion of supply, disposition, and ending stocks as shown in Tables 1– 25 is provided. The categories and products are defined in the EIA Glossary.

##### (1.) Supply

a. Field Production - Total Field Production is the sum of crude oil production and natural gas plant liquids and liquefied refinery gases production.

Crude oil production is an estimate based on data received from State conservation agencies, the Mineral Management Service of the U.S. Department of the Interior and Form EIA-914 “Monthly Crude Oil, Lease Condensate, and Natural Gas Production Report. Refer to “Domestic Crude Oil Production” in Section 2C (1) for further details.

Field production of natural gas plant liquids is reported on Form EIA-816 and published on a net basis (i.e., production minus inputs).

b. Renewable Fuels and Oxygenate Plant Net Production - Renewable Fuels and Oxygenate Plant Net Production are reported on Forms EIA-819 and EIA-22M. Production includes fuel ethanol, Ethyl Tertiary Butyl Ether (ETBE), Methyl Tertiary Butyl Ether (MTBE), other fuel oxygenates, and biodiesel. This supply category also includes natural gasoline, finished motor gasoline, and motor gasoline blending components added to fuel ethanol as denaturants and blended at fuel ethanol plants. Negative production indicates the amount of a product produced during the month was less than the amount of that same product reported as input during the same month. Beginning with PSA data for 2019, EIA excluded oxygenates supply and disposition from U.S. and regional balance tables.

c. Refinery and Blender Net Production – Refinery and Blender Net Production is reported on Forms EIA-810 and EIA- 815. Refinery and Blender Net Production equals refinery

and blenders production minus refinery and blender inputs. Negative production of finished petroleum products will occur when the amount of a product produced during the month is less than the amount of that same product that is reprocessed (input) or reclassified to become another product during the same month.

d. Imports - Imports include receipts of goods into the 50 States and the District of Columbia from U.S. possessions and territories from foreign countries.

e. Net Receipts – Net Receipts data are included in tables containing PAD District-level data to account for inter-PAD District movements of crude oil and petroleum products. Net receipts for a PAD District are calculated by subtracting shipments out of the PAD District from receipts into the PAD District. Net Movements of Crude Oil and Petroleum Products by Pipeline, Tanker, and Barge, and Rail between PAD Districts are shown in Table 62.

f. Adjustments – This column includes adjustment quantities for crude oil, fuel ethanol, motor gasoline blending components, biodiesel (included in “Renewable Fuels Except Fuel Ethanol”) and distillate fuel oil. EIA calculated adjustment quantities to balance supply and disposition for selected products or to reclassify one product to another product. EIA calculates product supplied as the balancing item for most products and a measure of implied demand for petroleum products. EIA uses adjustments as balance items in cases where it does not make sense to interpret the balancing item as demand. Reclassifications reported in the adjustments column may be implied by the supply and disposition balance or reported on surveys. Recall that supply at the U.S. level is equal to the sum of field production, renewable fuels and oxygenate plant net production, refinery and blender net production, imports, and adjustments. Disposition at the U.S. level is equal to the sum of stock change, refinery and blender net inputs, exports, and products supplied. At the PAD District level, supply components include net receipts equal to gross receipts from other PAD Districts minus gross shipments to other PAD Districts. In every case, supply must equal disposition. Applicable components of supply and disposition vary depending on the product or product group. Unless otherwise noted in Section 2C, adjustment calculations that balance supply and disposition equal disposition minus supply for the U.S. and for each PAD District.

## (2.) Disposition

a. Stock Change – Stock Change is calculated as the difference between the current month Ending Stocks column and the Ending Stocks column in the prior month’s publication. A negative number indicates a decrease in stocks and a positive number indicates an increase in stocks.

b. Refinery and Blender Net Inputs – Refinery and Blender Net Inputs are inputs of crude oil and intermediate materials (unfinished oils, motor and aviation gasoline blending components, hydrocarbon gas liquids, hydrogen, renewable fuels, and other hydrocarbons) processed at refineries or

blended at terminals to produce finished petroleum products.

Crude oil input represents total crude oil (domestic and foreign) input to atmospheric crude oil distillation units and other refinery processing units (e.g. vacuum distillation units).

Refinery and blender input of natural gas liquids equal gross input of natural gas liquids received from natural gas plants for blending and processing.

Inputs of unfinished oils, motor gasoline blending components, and aviation gasoline blending components are published on a net basis (i.e., refinery and blender input minus refinery and blender production). Negative inputs of unfinished oils and motor and aviation gasoline blending components will occur when the amount of a product produced during the month is greater than the amount of that same product that is input or reclassified to become another product during the same month.

c. Exports - Exports include shipments from the 50 States and the District of Columbia to Puerto Rico, the Virgin Islands, other U.S. possessions and territories and to foreign countries.

d. Products Supplied - Products supplied is equal to field production, plus renewable fuels and oxygenate plant net production, plus refinery and blender net production, plus imports, (plus net receipts on a PAD District basis), plus adjustments, minus stock change, minus refinery and blender net inputs, minus exports.

Product supplied values indicate quantities of petroleum products supplied for domestic consumption. Occasionally, the result for a product is negative because total disposition of the product exceeds total supply. Negative product supplied may occur for a number of reasons: (1) product reclassification has not been reported; (2) data were misreported or reported late; (3) in the case of calculations on a PAD District basis, the figure for net receipts was inaccurate because the coverage of inter-PAD movements was incomplete; and (4) products such as gasoline blending components and unfinished oils have entered the primary supply channels with their production not having been reported, e.g., streams returned to refineries from petrochemical plants.

Beginning with data for January 2010, EIA assumed product supplied for crude oil equal to zero. Prior to January 1983, crude oil burned on leases and by pipelines as fuel was reported as either distillate or residual fuel oil and was included in product supplied for these products. From January 1983 through December 2009, crude oil product supplied was equal to crude oil used directly as reported on Form EIA-813 “Monthly Crude Oil Report.” Reporting of crude oil used directly was discontinued on Form EIA-813 after December 2009.

## (3.) Ending Stocks

Ending stocks are primary stocks of crude oil and petroleum products held in storage as of midnight on the last day of each month. Primary stocks include crude oil, hydrocarbon gas liquids, biofuels, and petroleum products held in storage at

refineries, natural gas processing plants, pipelines, tank farms, biofuel production plants, and bulk terminals.

Crude oil that is in-transit by water from Alaska and crude oil stored in the Strategic Petroleum Reserve is included. Primary Stocks exclude stocks of foreign origin that are held in bonded warehouse storage. Primary stocks of petroleum products also exclude secondary stocks held by dealers and jobbers and tertiary stocks held by consumers. Product stocks held as reserves by federal and state agencies are excluded from primary stock quantities reported by EIA, but quantities held in selected government reserves are provided in Appendix D.

Primary stocks of crude oil included barrels held on crude oil producing sites (lease stocks) until June 2016. Primary stocks of crude oil excluded lease stocks beginning with release of PSM data for July 2016 on September 30, 2016. Historical crude oil stocks in on eia.gov were revised beginning with data for January 2005 to exclude lease stocks. Data may be accessed from the following locations on the EIA web site.

[http://www.eia.gov/dnav/pet/pet\\_sum\\_snd\\_d\\_nus\\_mbbbl\\_m\\_cur.htm](http://www.eia.gov/dnav/pet/pet_sum_snd_d_nus_mbbbl_m_cur.htm)

[http://www.eia.gov/dnav/pet/pet\\_sum\\_crdsnd\\_k\\_m.htm](http://www.eia.gov/dnav/pet/pet_sum_crdsnd_k_m.htm)

[http://www.eia.gov/dnav/pet/pet\\_stoc\\_typ\\_c\\_nus\\_EPC0\\_mbbbl\\_m.htm](http://www.eia.gov/dnav/pet/pet_stoc_typ_c_nus_EPC0_mbbbl_m.htm)

## 2. Components - Forms Discussions

The data presented in the *PSM* include data collected by the EIA on nine monthly petroleum supply surveys, export data obtained from the U. S. Bureau of the Census, and crude production data collected on Form EIA-914 as well as production data from State conservation agencies and the Minerals Management Service of the U. S. Department of Interior.

### A. Petroleum Supply Reporting System

The nine monthly petroleum supply surveys are part of the Petroleum Supply Reporting System (PSRS). The PSRS tracks the supply and disposition of crude oil, petroleum products, and hydrocarbon gas liquids in the United States. The PSRS is organized into two data collection subsystems: the Weekly Petroleum Supply Reporting System (WPSRS) and the Monthly Petroleum Supply Reporting System (MPSRS). The WPSRS processes the data from the six weekly surveys. The MPSRS includes nine monthly surveys and one annual survey. The survey forms that comprise the PSRS are:

1. EIA-800, "Weekly Refinery and Fractionator Report,"
2. EIA-802, "Weekly Product Pipeline Report,"
3. EIA-803, "Weekly Crude Oil Stocks Report,"
4. EIA-804, "Weekly Imports Report,"
5. EIA-805, "Weekly Bulk Terminal Report,"
6. EIA-809, "Weekly Oxygenate Report,"
7. EIA-22M, "Monthly Biodiesel Production Survey,"
8. EIA-810, "Monthly Refinery Report,"
9. EIA-812, "Monthly Product Pipeline Report,"
10. EIA-813, "Monthly Crude Oil Report,"
11. EIA-814, "Monthly Imports Report,"
12. EIA-815, "Monthly Bulk Terminal Report."

13. EIA-816, "Monthly Natural Gas Liquids Report"
14. EIA-817, "Monthly Tanker and Barge Movement Report"
15. EIA-819, "Monthly Oxygenate Report"
16. EIA-820, "Annual Refinery Report."

Both weekly and monthly surveys are administered at six key points along the petroleum production and supply chain including refineries, fractionators, natural gas processing plants, bulk product storage and blending terminals, crude oil and product pipelines, crude oil stock holders, importers, and renewable fuel (biodiesel and fuel ethanol) and oxygenate producing plants. Monthly surveys also include inter-PAD District movements by pipelines, tankers, and barges. Weekly surveys do not capture petroleum movements. Respondents reporting on weekly surveys are sampled from among the respondents reporting on monthly surveys.

Annual U.S. refinery capacity data are collected on the Form EIA-820, "Annual Refinery Report." The EIA-820 data are published in the annual "Refinery Capacity Report."

### B. Monthly Supply Survey Description and Methodology

#### (1.) Description of Surveys Forms

Copies of the survey forms and instructions can be found at: <https://www.eia.gov/survey/>

The Form EIA-22M "Monthly Biodiesel Production Survey" collects data on biodiesel plant location, operating status, annual production capacity, monthly biodiesel and co-product production, stocks, input of feedstocks, alcohol, and catalysts, and biodiesel sales.

The Form EIA-810, "Monthly Refinery Report," collects data on refinery input and capacity, sulfur content and API gravity of crude oil, and data on supply (beginning stocks, receipts, and production) and disposition (inputs, shipments, fuel use and losses, and ending stocks) of crude oil and refined products. Working and shell storage capacity for selected products is collected on an annual basis.

The Form EIA-812, "Monthly Product Pipeline Report," collects data on end-of-month stocks and movements of petroleum products transported by pipeline. Intermediate movements for pipeline systems operating in more than two PAD Districts are included.

The Form EIA-813, "Monthly Crude Oil Report," collects data on end-of-month stock levels of crude oil held in pipelines, and at tank farms operated by the reporting company, and Alaskan crude oil in transit by water. Data are reported by PADD including stocks held in the 50 states and the District of Columbia. In addition to stocks, EIA uses Form EIA-813 to collect inter-PADD movements of crude oil by pipeline. EIA collects movements for shipping and receiving PADDs with no intermediate PADD movements. EIA uses Form EIA-813 to collect annual storage capacity in data for the month of March.

The Form EIA-814, "Monthly Imports Report," collects data on imports of crude oil and petroleum products (1) into the 50



States and the District of Columbia, (2) into Puerto Rico, the Virgin Islands, and other U.S. possessions (Guam, Midway Islands, Wake Island, American Samoa, and Northern Mariana Islands), and (3) from Puerto Rico, the Virgin Islands, and other U.S. possessions into the 50 States and the District of Columbia. Imports into Foreign Trade Zones located in the 50 States and the District of Columbia are considered imports into the 50 States and the District of Columbia. The type of commodity, port of entry, country of origin, quantity (thousand barrels), sulfur percent by weight, API gravity, and name and location of the processing or storage facility are reported. Sulfur percent by weight is requested for crude oil, crude oil burned as fuel, and residual fuel oil only. API gravity is requested for crude oil only. The name and location of the processing or storage facility is requested for crude oil and unfinished oils only.

The Form EIA-815, "Monthly Bulk Terminal Report," collects data on the operations of all bulk terminals located in the 50 States, District of Columbia, Puerto Rico, the Virgin Islands, Guam, and other U. S. possessions. Beginning and end-of-month stocks, receipts, inputs, production, shipments, and fuel use and losses during the month are collected from operators of terminals. Working and shell storage capacity is collected on an annual basis.

The Form EIA-816, "Monthly Natural Gas Liquids Report," collects data on the operations of natural gas processing plants and fractionators. Beginning and end-of-month stocks, receipts, inputs, production, shipments, and plant fuel use and losses during the month are collected from operators of natural gas processing plants. End-of-month stocks are collected from fractionators.

The Form EIA-817, "Monthly Tanker and Barge Movement Report," collects data on the movements of crude oil and petroleum products between PAD Districts. Data are reported by shipping and receiving PAD District and sub-PAD District. Shipments to and from the Panama Canal are also included if the shipment was delivered to the Canal.

The Form EIA-819, "Monthly Oxygenate Report" collects facility-level data on oxygenate inputs, production, gasoline blending at ethanol plants, and end-of-month stocks. Data on end-of-month stocks are reported on a custody basis regardless of ownership.

## (2.) Frame

EIA maintains complete lists of respondents to its monthly surveys. Each survey has a list of companies and facilities required to submit petroleum activity data. This list is known as the survey frame. Frame maintenance procedures are used to monitor the status of petroleum companies and facilities currently contained in each survey frame as well as to identify new members to be added to the frame. As a result, all known petroleum supply organizations falling within the definition of "Who Must Submit" participate in the survey.

The activities for frames maintenance are conducted on an

ongoing basis. Monthly frames maintenance procedures focus on examining industry periodicals that report changes in status (births, deaths, sales, mergers, and acquisitions) of petroleum facilities producing, transporting, importing, and/or storing crude oil and petroleum products. Augmenting these sources are articles in newspapers, notices from respondents, and information received from survey systems operated by other offices. Survey managers review these sources regularly to monitor changes in company operations and to develop lists of potential respondents. These activities assure coverage of the reporting universe and maintain accurate facility information on addresses and ownership.

Respondents to Form EIA-22M "Monthly Biodiesel Production Survey" include operators of plants that produce biodiesel meeting ASTM D 6751-07B specifications and used for commercial purposes.

Respondents to Form EIA-810, "Monthly Refinery Report" include operators of all operating and idle petroleum refineries located in the 50 States, the District of Columbia, Puerto Rico, the Virgin Islands, Guam and other U.S. possessions.

Respondents to Form EIA-812, "Monthly Product Pipeline Report" include all product pipeline companies that carry petroleum products (including interstate, intrastate, and intra-company pipelines) in the 50 States and the District of Columbia.

Respondents to Form EIA-813, "Monthly Crude Oil Report" include all companies which carry or store 1,000 barrels or more of crude oil. Included in this survey are gathering and trunk pipeline companies (including interstate, intrastate, and intra-company pipelines), crude oil tank farm operators, and companies transporting Alaskan crude oil by water (to U.S. ports) in the 50 States and the District of Columbia.

Respondents to Form EIA-814, "Monthly Imports Report" include each importer of record (or Ultimate consignee in some situations regarding Canadian imports) that import crude oil or petroleum products (1) into the 50 States and the District of Columbia, (2) into Puerto Rico, the Virgin Islands and other U.S. possessions (Guam, Midway Islands, Wake Island, American Samoa, and Northern Mariana Islands), (3) into Foreign Trade Zones located in the 50 States and the District of Columbia and (4) from Puerto Rico, the Virgin Islands and other U.S. possessions into the 50 States and the District of Columbia. A report is required only if there has been an import during the month unless the importer has been selected as part of a sample to report every month regardless of activity.

Respondents to Form EIA-815, "Monthly Bulk Terminal Report" include operators of all bulk terminals located in the 50 States, District of Columbia, Puerto Rico, the Virgin Islands, Guam, and other U. S. possessions must report. A bulk terminal is primarily used for storage, marketing, and often blending of petroleum products and has a total bulk storage capacity of 50,000 barrels or more, and/or receives petroleum products by tanker, barge, or pipeline. Bulk terminal facilities associated with a product pipeline are included.

Respondents to Form EIA-816, “Monthly Natural Gas Liquids Report” include operators of all facilities that extract liquid hydrocarbons from a natural gas stream (natural gas processing plant) and/or separate a liquid hydrocarbon stream into its component products (fractionator).

Respondents to Form EIA-817, “Monthly Tanker and Barge Movement Report” include all companies that have custody of crude oil or petroleum products transported by tanker or barge between Petroleum Administration for Defense Districts and all companies that have custody of crude oil or petroleum products originating from a PAD District and transported to the Panama Canal with the intent that the crude oil or petroleum products be further transported to another PAD District.

For purposes of this report, custody is defined as physical possession of crude oil or petroleum products on a company-owned tanker or barge. Also, companies that lease vessels or contract for the movement of crude oil or petroleum products on a tanker or barge between PAD Districts are considered to have custody.

Respondents to Form EIA-819, “Monthly Oxygenate Report” include all operators of facilities that produce (manufacture or distill) oxygenates (including MTBE plants, petrochemical plants, and refineries that produce oxygenates as part of their operations located in the 50 States and the District of Columbia.)

### (3.) Collection

Survey data for the MPSRS are collected by Internet using secure file transfer, and electronic transmission. All respondents must submit their data by the 20th calendar day following the end of the report month. Receipt of the reports is monitored using an automated respondent mailing list. Telephone follow-up calls are made to nonrespondents prior to the publication deadline. Respondents who are chronically late (i.e., 3 consecutive months) are notified by EIA by certified letter.

### (4.) Processing and Micro Editing

Upon receipt, all reported data are transformed into a standard format and sent through a log-in and prescreening process to validate respondent control information and resolve any discrepancies. The data are then processed using generalized edit and imputation procedures. Automated editing procedures check current data for consistency with past data and for internal consistency (e.g., totals equal to the sums of the parts). After the edit failures are resolved and imputation performed for nonrespondents, preliminary tables are produced and used to identify anomalies. These tables show U.S. and PAD District estimates for the current month and the prior 4 years. Anomalies result in further review of respondent data which in turn may result in additional flagged data and imputation.

### (5.) Estimation and Imputation

The nine monthly supply surveys are census surveys. As such, the estimates using these data are the sum of the edited, reported

data. Where possible, EIA uses imputed values to account for activity when a company fails to file. Depending on the survey, imputed values may be estimates based on weekly reports, estimates equal to prior-month reported quantities, or estimates based on non-survey data (e.g. imports quantities may be imputed using data provided to EIA by U.S. Customs and Border Protection). Imputation normally accounts for very small quantities in published totals because response rates to monthly surveys tend to be very high, typically exceeding 97 percent calculated as total reports received divided by total reports expected.

Adjustments are made to aggregate data from time to time. For example, unusual industry conditions, including fuel transitions, business practice shifts, or hurricane dislocations, may generate reporting anomalies and require adjustments. Measurement error and frame deficiencies may occasionally result in inconsistencies when individual respondent data are aggregated to publication levels and require adjustment. Monthly supply data are reviewed throughout the year and some estimates may be replaced with newly available or resubmitted respondent data in the *Petroleum Supply Annual (PSA)*.

### (6.) Macro Editing

Monthly data are compared to weekly data on a regular basis. Discrepancies between weekly and monthly data are documented and respondents are called when discrepancies are either large (usually over 300 thousand barrels) or consistent (e.g., weekly data are always lower than monthly data). In addition, a comparison of the data collected on the PSRS with other similar data series from sources outside of the EIA is performed on an ongoing basis. Results of selected data comparisons are published once a year in the feature article, “Comparison of Independent Statistics on Petroleum Supply.” Additional comparisons are made between survey data and model results. Data reported in the Petroleum Supply Monthly and Petroleum Supply Annual are routinely imputed to correct for cases where comparison with other data suggests errors in survey data.

### (7.) Dissemination

The PSM data are normally released within 60 days of the close of the reference month. The PSM is available on the web at:

<http://www.eia.gov/petroleum/supply/monthly/>

Much of the PSM data are available in HTML format on eia.gov. Features include: downloadable spreadsheets containing complete data history, data tables which “pivot” to present different perspectives, and selection boxes to easily change the product, area, process, period, and unit of measure. Petroleum data can be accessed at:

<http://www.eia.gov/petroleum/data.cfm>

## C. Derived Data

Due to the time constraints in publishing monthly petroleum supply statistics and the desire to reduce industry response burden, some of

the statistics published in the PSM are obtained from sources other than the monthly supply surveys. These other sources include models to data and data from supplemental sources such as the Bureau of the Census.

### (1.) Domestic Crude Oil Production

The interim estimate of U.S., PAD District, and state oil production for the current reference month, published in Tables 1 through 26 of the PSM, are based on:

- (a.) crude oil production data from state government agencies and the Department of the Interior, Bureau of Safety and Environmental Enforcement;
- (b.) crude oil production data reported on Form EIA-914, “Monthly Crude Oil, Lease Condensate, and Natural Gas Production Report.” For some states, EIA uses current reported data from the state (chiefly Alaska). For the states of Arkansas, California, Colorado, Kansas, Louisiana, Montana, New Mexico, North Dakota, Ohio, Oklahoma, Pennsylvania, Texas, Utah, West Virginia, Wyoming, and the Federal Gulf of Mexico, EIA calculates an estimate by modeling the relationship between final state-level data from DrillingInfo, a third-party vendor of well-level data collected by state agencies, and data reported on the EIA-914 survey using weighted least squares (WLS) linear regression. Additional explanation of the WLS estimation methodology is available. Estimates have to be made for crude oil production because complete and correct data from states may take from several months to over two years.
- (c.) first purchase data reported on Form EIA-182 “Domestic Crude Oil First Purchase Report.” For the remaining states and areas (Alabama, Arizona, Federal Pacific Offshore, Florida, Idaho, Illinois, Indiana, Kentucky, Maryland, Michigan, Mississippi, Missouri, Nebraska, Nevada, New York, Oregon, South Dakota, Tennessee, and Virginia) EIA calculates an estimate by using the average lagged ratio (ALR) of the state reported data to EIA-182 data, applied to the current EIA-182 data. Additional explanation of the ALR estimation methodology is available.

State-level production estimates are published in Table 26, “Production of Crude Oil by PAD District and State.” Table 26 contains estimates for crude oil production for state and federal offshore areas reported by state agencies and the Bureau of Safety and Environmental Enforcement or estimated by EIA using the ALR or WLS methods discussed above. Every month, the monthly crude oil production estimates are updated in Table 26 of the Petroleum Supply Monthly ([http:// www.eia.gov/petroleum/supply/monthly/](http://www.eia.gov/petroleum/supply/monthly/)) using reports from state agencies and the Bureau of Safety and Environmental Enforcement. The estimates are reported in the Petroleum Supply Monthly roughly 60 days after the production month.

### (2.) Exports

The U.S. Bureau of the Census compiles the official U.S. export statistics. Exporters are required to file a “Shipper’s Export Declaration Document” with the U.S. Census Bureau. Each month the EIA receives aggregated export statistics from the U.S. Bureau of the Census (EM-522 and EM-594). Census export statistics used in the PSM reflect both government and non-governmental exports of domestic and foreign merchandise from the United States (the 50 States and the District of Columbia) to foreign countries and U.S. possessions, without regard to whether or not the exportation involves a commercial transaction. The following types of transactions are excluded from the statistics:

- Merchandise shipped in transit through the United States from one foreign country to another, when documented as such with U.S. Customs.
- Bunker fuels and other supplies and equipment for use on departing vessels, planes, or other carriers engaged in foreign trade.

The country of destination is defined as the country of ultimate destination or the country where the goods are to be consumed, further processed, or manufactured, as known to the shipper at the time of exportation. If the shipper does not know the country of ultimate destination, the shipment is credited to the last country to which the shipper knows that the merchandise will be shipped in the same form as it was when exported.

### (3.) Movements of crude oil and select products by railroad

The volume of crude oil, ethanol, biodiesel, propane, propylene, normal butane, isobutane, petroleum coke, and asphalt moving by railroad is calculated using several data sources including Carload Waybill Sample (CWS) data from the U.S. Surface Transportation Board (STB), data from the National Energy Board of Canada (NEB), data in EIA’s Oil and Gas Supply Module (OGSM) within the National Energy Modeling system (NEMS) for data prior to 2015, the EIA-914 survey starting in January 2015, and an estimation procedure developed by EIA for months in which data these data are not available.

Additional data from the NEB, OGSM, and the EIA-914 are used for estimating factors for converting carloads to barrels of crude oil. Carloads of ethanol, biodiesel, propane, propylene, normal butane, isobutane, petroleum coke, and asphalt are converted to barrels using data from the CWS.

The most current monthly STB waybill sample may not be received with sufficient lead time to be processed and included in the PSM publication. Further, STB aggregates and provides waybills based on the accounting period, while EIA is interested in the waybill date, which can differ by several months from the accounting period. In addition, waybills from non-Class I railroads might only be included in the sample for the last month of a calendar quarter. As a result, EIA may estimate anywhere from one to three months of rail movements, relying on historical averages or near-month model estimates for those months to be published in the PSM for which incomplete or no



STB data are available.

Estimates of rail movements are subject to revision on a monthly basis as new, more complete, and more accurate data become available. Monthly revisions will typically affect data available on the EIA web site for the current year and up to two prior years. To the extent that revisions are needed to data more than 2 years in the past, these revisions will be made once a year at the time when Petroleum data html tables are updated with final data for a year from the Petroleum Supply Annual. Petroleum Supply Monthly and Petroleum Supply Annual tables released as PDF files will not be revised.

#### (4.) Stocks of Crude Oil held on Producing Sites (Lease Stocks)

The adjustment for lease stocks was discontinued beginning with PSM data for July 2016 released on September 30, 2016 because EIA discontinued reporting crude oil stocks held on producing sites (lease stocks). The lease stock adjustment remains in all historical EIA lease stocks data.

This adjustment corrects for incomplete survey coverage of companies that store crude oil on leases. Up until 1983, monthly state government data on lease stocks were substituted for EIA data wherever possible in order to rectify the understatement of lease crude oil stocks. State data were available from three states - Texas, New Mexico, and Montana. To calculate the “lease adjustment,” a comparison between EIA reported data and the state government data was made and the difference added to the EIA data for the respective states.

In 1983, the EIA modified the Form EIA-813 to eliminate state data on crude oil stocks and began collecting crude oil stock data by Petroleum Administration for Defense (PAD) District. With this change, the “lease adjustment” could no longer be calculated on a state basis and was changed to a PAD District level. To adjust for this incomplete coverage, 10,300 thousand barrels of crude oil are added to PAD District 3 stocks and 330 thousand barrels are added to PAD District 4 stocks.

#### (5.) Trans-Alaska Pipeline System (TAPS) Natural Gas Plant Liquids (NGPL) Adjustment

The TAPS-NGPL adjustment corrects for overstatement of crude oil receipts and input at refineries due to NGPL injection into Alaskan crude oil transported in TAPS. Natural gas processing plants in Alaska produce substantial volumes of NGPL that are added to crude oil transported through TAPS. Refiners have been unable to separate the volume of NGPL from Alaskan crude oil when reporting crude oil receipts and inputs to EIA. The TAPS-NGPL adjustment subtracts Alaskan NGPL production reported by selected gas processing plant operators from crude oil receipts and inputs reported by refiners. Adjusted NGPL production is added to refinery receipts and inputs of NGPL. The adjusted NGPL barrels are allocated to PAD Districts based on the regional distribution of receipts of Alaskan crude oil. Data most affected by the TAPS-NGPL adjustment are receipts and inputs of crude oil in PAD District 5 and receipts, inputs, and product supplied of butane

and natural gasoline also in PAD District 5.

NGPL injections into crude oil transported in the TAPS started in 1987. The TAPS-NGPL adjustment was first applied to revised data reported in the Petroleum Supply Annual (PSA) for 1988.

#### (6.) Finished Motor Gasoline Adjustment

Adjustment quantities for finished motor gasoline are the sum of motor gasoline blending components, fuel ethanol, and methyl tertiary butyl ether (MTBE) adjustments reclassified to finished motor gasoline. Finished motor gasoline adjustment quantities are assumed to reflect gasoline blending activity that was not reported on surveys.

**Note on MTBE Adjustment:** The MTBE portion of the gasoline adjustment described in this section was only applied to Petroleum Supply Monthly (PSM) data for 2009. The MTBE portion of the gasoline adjustment was discontinued after further examination of the issue made clear the MTBE adjustment was not helpful in forming an accurate statistical representation of U.S. and regional gasoline supplies. The MTBE adjustment was not applied to gasoline supply and disposition data in years prior to 2009, nor was it applied to revised data for 2009 published in the Petroleum Supply Annual or in years after 2009. This note only applies to MTBE adjustments. MTBE blending that was reported on EIA surveys is reflected in U.S. and regional gasoline supply and disposition data. Other adjustments to gasoline supply and disposition data to account for motor gasoline blending components and fuel ethanol remain as described in this section.

- Adjustment quantities for finished reformulated motor gasoline include adjustments for reformulated blendstock for oxygenate blending (RBOB) plus a percentage of gasoline treated as blendstock (GTAB), “other” motor gasoline blending components, fuel ethanol, and MTBE. The quantity of GTAB and “other” motor gasoline blending components adjustments reclassified to finished reformulated motor gasoline is based on the ratio of finished reformulated motor gasoline net production divided by total finished motor gasoline net production reported on surveys by refiners and blenders in each PAD District. Motor gasoline blending components adjustments reclassified to finished reformulated motor gasoline are further classified as blended with alcohol (i.e. fuel ethanol), blended with ether (i.e. MTBE), or non-oxygenated during 2009.

Starting with data for January 2010, motor gasoline blending component adjustment quantities were classified only as blended with fuel ethanol and “other”. During 2009, RBOB adjustment quantities were classified based on the product description that included reference to the oxygenate to be blended. Beginning with data for January 2010, all RBOB is reported in one product category without reference

to specific oxygenates, and all RBOB adjustment quantities are assumed blended with fuel ethanol. During 2009, adjustment quantities for GTAB and “other” motor gasoline blending components reclassified to finished reformulated gasoline were further classified as blended with ether, blended with alcohol, or non-oxygenated based on the ratio of production of these products in reported survey data. After determining adjustment quantities of motor gasoline blending components reclassified to each type of finished reformulated motor gasoline, portions of the fuel ethanol and MTBE adjustments were reclassified to reformulated motor gasoline. The fuel ethanol quantity reclassified to finished reformulated motor gasoline was determined using the ratio of fuel ethanol blended into finished motor gasoline calculated from fuel ethanol blending data reported on survey forms by PAD District. For example, if the calculated volumetric fuel ethanol blend ratio was 10%, then a quantity of the fuel ethanol adjustment sufficient to make a 10% blend with the available motor gasoline blending components is reclassified to finished reformulated motor gasoline, but the quantity of fuel ethanol cannot exceed the total quantity of the fuel ethanol adjustment. During 2009, a similar process was followed for allocating the MTBE adjustment to reformulated motor gasoline except the blend ratio was assumed to be 12% in all PAD Districts. Starting with data for January 2010, the entire MTBE adjustment quantity is assumed to be blended with finished conventional motor gasoline.

◦ ◦ Adjustment quantities for finished conventional motor gasoline include adjustments for conventional blendstock for oxygenate blending (CBOB) plus the portion of GTAB, “other” motor gasoline blending components, fuel ethanol and MTBE adjustments that were not reclassified to finished reformulated motor gasoline. The total adjustment to finished conventional motor gasoline is further classified as finished conventional gasoline blended with fuel ethanol and “other” finished conventional motor gasoline. The quantity of the finished conventional motor gasoline adjustment reclassified as finished conventional motor gasoline blended with fuel ethanol is determined using the quantity of the fuel ethanol adjustment allocated to finished conventional motor gasoline and the fuel ethanol blend ratio calculated from fuel ethanol blending reported on surveys by PAD District. For example, if the fuel ethanol blend ratio calculated from survey data was 10% in a PAD District, then the total adjustment quantity of finished conventional motor gasoline in that PAD District would be 10 times the fuel ethanol adjustment quantity allocated to finished conventional gasoline (i.e. the adjustment to finished conventional motor gasoline blended with fuel ethanol includes 10% fuel ethanol and 90% gasoline from the motor gasoline blending components adjustment). The MTBE adjustment allocated to finished conventional

motor gasoline is simply added to the adjustment for “other” finished conventional motor gasoline.

◦ Fuel ethanol adjustment quantities frequently exceed the volume of fuel ethanol needed to achieve a blend ratio implied by blending activity reported by refiners and blenders on surveys when considering only the gasoline barrels available from the motor gasoline blending components adjustment. In this case, “other” finished conventional motor gasoline is reclassified by the adjustment to finished conventional motor gasoline blended with alcohol in order to maintain an ethanol blend ratio equal to the fuel ethanol blend ratio reported by refiners and blenders in each PAD District.

#### (7.) Motor Gasoline Blending Components Adjustment

Adjustment quantities for motor gasoline blending components at the U.S. level equal the sum of stock change, refinery and blender net input, and exports minus the sum of imports and renewable fuels and oxygenate plant net production (i.e. motor gasoline blending components use as denaturant for fuel ethanol production). Adjustment quantities by PAD District equal the sum of stock change, refinery and blender net input, and exports minus the sum of imports, renewable fuels and oxygenate plant net production, and net receipts. Motor gasoline blending components adjustments are calculated for reformulated blendstock for oxygenate blending (RBOB), conventional blendstock for oxygenate blending (CBOB), gasoline treated as blendstock (GTAB), and “other” motor gasoline blending components. Product supplied for motor gasoline blending components is assumed to always equal zero because there is no end-user demand for motor gasoline blending components as anything other than finished motor gasoline. Motor gasoline blending components adjustment quantities are assumed to reflect finished motor gasoline blending implied by the supply and disposition balance but not reported on surveys. Adjustment quantities for motor gasoline blending components are reclassified to finished motor gasoline and added to the finished motor gasoline adjustment.

#### (8.) Renewable Fuels including Fuel Ethanol Adjustment

Adjustment quantities for renewable fuels (including fuel ethanol) at the U.S. level equal the sum of stock change, refinery and blender net input, and exports minus the sum of renewable fuels and oxygenate plant net production and imports. Calculation of adjustment quantities by PAD District depends on the product. Individual products include fuel ethanol, biomass based diesel fuel (including biodiesel), “other” renewable diesel fuel, and “other” renewable fuels (e.g. bio-jet fuel). Product supplied for renewable fuels (including fuel ethanol) is assumed equal to zero. Adjustments for fuel ethanol and “other” renewable fuels are discussed separately below.

◦ ◦ Fuel ethanol adjustment quantities at the U.S. level equal the sum of stock change, refinery and blender net input, and exports minus the sum of

renewable fuels and oxygenate plant net production and imports. Adjustment quantities by PAD District equal the sum of stock change, refinery and blender net input, and exports minus the sum of imports, renewable fuels and oxygenate plant net production, and net receipts. Fuel ethanol adjustment quantities are assumed to reflect blending of fuel ethanol into finished motor gasoline that is implied by the available supply of fuel ethanol but not reported on surveys. Fuel ethanol adjustment volumes are reclassified to finished reformulated motor gasoline and finished conventional motor gasoline through finished motor gasoline adjustments.

- The product category called “renewable fuels except fuel ethanol” includes biomass-based diesel fuel (including biodiesel), “other” renewable diesel fuel, and “other” renewable fuels (e.g. bio-jet fuel). For PSM data prior to January 2012, renewable fuels except fuel ethanol adjustment quantities at the U.S. and PAD District levels were calculated as the sum of stock change, refinery and blender net input, and exports minus imports. Data for production of Renewable Fuels except Fuel Ethanol was unavailable and was excluded from Renewable Fuels and Oxygenate Plant Net Production. Therefore the calculation of adjustments to Renewable Fuels except Fuel Ethanol caused production to be included in the adjustment. Similarly, the calculation caused net inter-PAD District movements (i.e. net receipts) by rail and truck to also be included in adjustments to renewable fuels except fuel ethanol.

- Beginning with PSM data for January 2012, production of biodiesel reported on Form EIA-22M was included under the heading of “renewable fuels and oxygenate plant net production” in petroleum supply and disposition balances for “renewable fuels except fuel ethanol”. As a result, the adjustment for “renewable fuels except fuel ethanol” no longer includes production of biodiesel. This change will also be made to revised monthly data for January-December 2011 when the 2011 Petroleum Supply Annual is released.

- Biodiesel adjustment quantities at the U.S. level equal the sum of stock change, refinery and blender net input, and exports minus the sum of renewable fuels and oxygenate plant net production and imports. Adjustment quantities by PAD District equal the sum of stock change, refinery and blender net input, and exports minus the sum of imports, renewable fuels and oxygenate plant net production, and net receipts. Biodiesel adjustment quantities are assumed to reflect blending of biodiesel into distillate fuel oil that is implied by the available supply of biodiesel but not reported as input on surveys. Biodiesel adjustment volumes are reclassified to distillate fuel oil (15

ppm sulfur and under) through distillate fuel oil adjustments.

#### (9.) Distillate Fuel Oil Adjustment

Adjustment quantities for distillate fuel oil show reclassification by pipeline operators of distillate fuel oil with sulfur content of 15 ppm and under to distillate fuel oil with sulfur content greater than 15 ppm to 500 ppm (inclusive). Reclassification may occur when distillate product with sulfur content of 15 ppm and under becomes mixed with products having higher sulfur content during pipeline transportation, storage, or handling. Adjustment quantities are reported by pipeline operators on Form EIA-812 “Monthly Product Pipeline Report.” This adjustment was discontinued after publication of data for December 2010.

Beginning with PSM data for January 2012, distillate fuel oil adjustments equal the opposite of biodiesel adjustments described above in section 7. Biodiesel adjustments are added to distillate fuel oil (15 ppm sulfur and under) and total distillate fuel oil. Distillate fuel oil adjustment quantities are assumed to reflect biodiesel blending activity implied by biodiesel supply and disposition but not reported on surveys. Distillate fuel oil adjustments for biodiesel will also be added to revised data for January-December 2011 when the 2011 Petroleum Supply Annual is released

#### (10.) Crude Oil Adjustment

Adjustment quantities for crude oil are derived to balance crude oil supply and disposition. Crude oil product supplied was equal to crude oil used directly as reported on Form EIA-813 “Monthly Crude Oil Report” in data through December 2009. Reporting crude oil used directly was discontinued on Form EIA-813 after collection of data for December 2009. Crude oil product supplied is assumed equal to zero beginning with data for January 2010. Undercounting crude oil imports in survey data is one example of a typical cause of crude oil adjustments. This results in a positive crude oil adjustment because crude oil disposition (i.e. the sum of stock change, refiner inputs, and exports) will exceed available supply (i.e. the sum of field production and imports) due to import undercounting. Crude oil losses are included in crude oil adjustment quantities. The crude oil adjustment was formerly called unaccounted-for crude oil. The name change was effective with data for January 2005

#### (11.) Other Hydrocarbon Adjustment

Adjustment quantities for “other” hydrocarbons equal the sum of stock change, refinery and blender net inputs and exports minus imports. “Other” hydrocarbons product supplied is assumed equal to zero. Adjustment quantities account for “other” hydrocarbons produced outside of refineries. There are no movements data collected on surveys for “other” hydrocarbons. Therefore, adjustment quantities include any net receipts of “other” hydrocarbons resulting from inter-PAD

District movements.

### (12.) Hydrogen Adjustment

Adjustment quantities for hydrogen equal refinery and blender net input of hydrogen. Hydrogen product supplied is assumed equal to zero. Adjustment quantities account for hydrogen supplied to U.S. refineries from non-refinery sources. There are no movements data collected on surveys for hydrogen. Therefore, adjustment quantities at the PAD District level include any net receipts of hydrogen resulting from inter-PAD District movements.

### (13.) Oxygenates (excluding fuel ethanol) Adjustment

Adjustment quantities for oxygenates (excluding fuel ethanol) equal the sum of stock change, refinery and blender net inputs, and exports minus the sum of renewable fuels and oxygenate plant net production and imports. Product supplied for oxygenates (excluding fuel ethanol) is assumed equal to zero. Methyl tertiary butyl ether (MTBE) is the single largest component of oxygenates (excluding fuel ethanol). Beginning with PSA data for 2019, EIA excluded oxygenates supply and disposition from U.S. and regional balance tables.

## 3. Quality

### A. General Discussion

#### (1.) Response Rates

The response rate is generally 98 to 100 percent. Average response rates for the monthly and weekly surveys are published in the annual PSM article “Accuracy of Petroleum Supply Data.” Chronic nonrespondents and late filing respondents are contacted in writing and reminded of their requirement to report. Companies that file late or fail to file are subject to criminal fines, civil penalties, and other sanctions as provided by Section 13(i) of the Federal Energy Administration (FEA) Act.

#### (2.) Non-sampling Errors

There are two types of errors usually associated with data produced from a survey; sampling errors and nonsampling errors. Because the estimates for the monthly surveys are based on a complete census of the frame, there is no sampling error in the data presented. The data, however, are subject to non-sampling errors. Non-sampling errors may arise from a number of sources including: (1) the inability to obtain data from all companies in the frame (non-response) and the method used to account for non-response, (2) response errors, (3) differences in the interpretation of questions or definitions, (4) mistakes in recording or coding of the data obtained from respondents, and (5) other errors of collection, response, coverage, processing, and estimation.

#### (3.) Resubmissions

Throughout the year, EIA accepts data revisions of monthly data. If a revision to a monthly submission is made after the *PSM* has been published, it is referred to as a resubmission. The final monthly values for the previous year are published in the *PSA*. These values reflect all *PSM* resubmissions and other data corrections. The values contained in the *PSA* are EIA’s most accurate measure of petroleum supply activity.

#### (4.) Revision Policy

EIA will publish revised monthly crude oil production estimates going back to the previously published Petroleum Supply Annual every month in petroleum data tables (<http://www.eia.gov/petroleum/supply/monthly/>). Once a year with the release of the Petroleum Supply Annual, EIA will revise up to 10 years of historical production estimates in petroleum data tables.

## B. Data Assessment

The principal objective of the PSRS is to provide an accurate picture of petroleum industry activities and of the availability of petroleum products nationwide from primary distribution channels. The PSM preliminary monthly data serve as leading indicators of the final monthly data published in the PSA. The PSM monthly data are not expected to have the same level of accuracy as the final monthly data published in the PSA. However, the preliminary monthly data are expected to exhibit like trends and product flow characteristic of the final monthly data.

To assess the accuracy of monthly statistics, initial monthly estimates published in the PSM are compared with the final monthly aggregates published in the PSA. Although final monthly data are still subject to error, they have been thoroughly reviewed and edited, they reflect all revisions made during the year, and they are considered to be the most accurate data available. The mean absolute percent error provides a measure of the average revisions relative to the aggregates being measured for a variable. The mean absolute percent error for 2007 monthly data was less than 1 percent for 50 of the 66 major petroleum variables analyzed.

## 4. Provisions Regarding Disclosure of Information

All PSRS survey forms, with the exception of the Form EIA-814, “Monthly Imports Report,” have the same general disclosure information statement. The information reported on Form EIA-814 will be considered “public information” and may be publicly released in company or individually identifiable form, and will not be protected from disclosure in identifiable form. In addition, biofuel production capacity data reported on Form EIA-819 and Form EIA-22M will be released in company identifiable form. Refinery distillation capacity collected on Form EIA-810 also may be released in company identifiable form. EIA releases annual refinery input and production capacities in company identifiable form each year in the Annual Refinery Capacity Report.

Except as described above, information reported on Forms EIA-810

through 813, 815 through 817, 819, 820, and 22M will be protected and not disclosed to the public to the extent that it satisfies the criteria for exemption under the Freedom of Information Act (FOIA), 5 U.S.C. §552, the Department of Energy (DOE) regulations, 10 C.F.R. §1004.11, implementing the FOIA, and the Trade Secrets Act, 18 U.S.C. §1905. The Federal Energy Administration Act requires the EIA to provide company-specific data to other Federal agencies when requested for official use. The information reported on this form may also be made available, upon request, to another DOE component; to any Committee of Congress, the Government Accountability Office, or other Federal agencies authorized by law to receive such information. A court of competent jurisdiction may obtain this information in response to an order. The information may be used for any nonstatistical purposes such as administrative, regulatory, law enforcement, or adjudicatory purposes.

Disclosure limitation procedures are not applied to the statistical data

aggregated and published from these survey's information. Thus, there may be some statistics that are based on data from fewer than three respondents, or that are dominated by data from one or two large respondents. In these cases, it may be possible for a knowledgeable person to estimate the information reported by a specific respondent.

In addition to the use of the information by EIA for statistical purposes, the information may be made available, upon request, to other Federal agencies authorized by law to receive such information for any nonstatistical purposes such as administrative, regulatory, law enforcement, or adjudicatory purposes.

Company specific data are also provided to other DOE offices for the purpose of examining specific petroleum operations in the context of emergency response planning and actual emergencies.



## Northeast Reserves

Reserves inventories are not considered to be in the commercial sector and are excluded from EIA's commercial motor gasoline and distillate fuel oil supply and disposition statistics, such as those reported in the *Weekly Petroleum Status Report*, *Petroleum Supply Monthly*, and *This Week In Petroleum*.

### Northeast Home Heating Oil Reserve classified as ultra-low sulfur distillate (15 parts per million)

Terminal Operator	Location	Thousand Barrels
Buckeye Partners LP	Port Reading, NJ	300
Buckeye Partners LP	Groton, CT	300
Global Companies LLC	Revere, MA	400

Source: U. S. Energy Information Administration

### Northeast Regional Refined Petroleum Product Reserve motor gasoline products

Terminal Operator	Location	Thousand Barrels
Kinder Morgan Liq Terminals LLC	Carteret, NJ	200
Buckeye Terminals LLC	Port Reading, NJ	0
Buckeye Terminals LLC	Raritan Bay, NJ	500
Global Companies LLC	Revere, MA	200
South Portland Terminal LLC	South Portland, ME	99

Source: U. S. Energy Information Administration

Other reserves information from the U.S. Department of Energy, Office of Petroleum Reserves can be found at <http://energy.gov/fe/services/petroleum-reserves/>

## State of New York's Strategic Fuels Reserve Program

State reserve inventories are also not considered to be in the commercial sector and are excluded from EIA's commercial inventories and are excluded from supply and disposition statistics, such as those reported in the *Weekly Petroleum Status Report*, *Petroleum Supply Monthly*, and *This Week In Petroleum*.

Product	Location	Thousand Barrels
Motor Gasoline Blending Components	NY	86
Fuel Ethanol	NY	10
Distillate Fuel Oil, 15 ppm Sulfur and Under	NY	34

Source: New York State Energy Research & Development Authority

# Definitions of Petroleum Products and Other Terms

(Revised August 2020)

**Alcohol.** The family name of a group of organic chemical compounds composed of carbon, hydrogen, and oxygen. The series of molecules vary in chain length and are composed of a hydrocarbon plus a hydroxyl group;  $\text{CH}_3\text{-(CH}_2\text{)}_n\text{-OH}$  (e.g., methanol, ethanol, and tertiary butyl alcohol).

**Alkylate.** The product of an alkylation reaction. It usually refers to the high octane product from alkylation units. This alkylate is used in blending high octane gasoline.

**Alkylation.** A refining process for chemically combining isobutane with olefin hydrocarbons (e.g., propylene, butylene) through the control of temperature and pressure in the presence of an acid catalyst, usually sulfuric acid or hydrofluoric acid. The product, alkylate, an isoparaffin, has high octane value and is blended with motor and aviation gasoline to improve the antiknock value of the fuel.

**All Other Motor Gasoline Blending Components. See Motor Gasoline Blending Components.**

**API Gravity.** An arbitrary scale expressing the gravity or density of liquid petroleum products. The measuring scale is calibrated in terms of degrees API; it may be calculated in terms of the following formula:

$$\text{Degrees API} = \frac{141.5}{\text{sp. gr. @ } 60^\circ \text{ F}} - 131.5$$

The higher the API gravity, the lighter the compound. Light crudes generally exceed 38 degrees API and heavy crudes are commonly labeled as all crudes with an API gravity of 22 degrees or below. Intermediate crudes fall in the range of 22 degrees to 38 degrees API gravity.

**Aromatics.** Hydrocarbons characterized by unsaturated ring structures of carbon atoms. Commercial petroleum aromatics are benzene, toluene, and xylene (BTX).

**Asphalt.** A dark-brown-to-black cement-like material containing bitumens as the predominant constituent obtained by petroleum processing; used primarily for road construction. It includes crude asphalt as well as the following finished products: cements, fluxes, the asphalt content of emulsions (exclusive of water), and petroleum distillates blended with asphalt to make cutback asphalts. Note: The conversion factor for asphalt is 5.5 barrels per short ton.

**ASTM.** The acronym for the American Society for Testing and Materials.

**Atmospheric Crude Oil Distillation.** The refining process of separating crude oil components at atmospheric pressure by heating to temperatures of about 600 degrees Fahrenheit to 750 degrees Fahrenheit (depending on the nature of the crude oil and desired products) and subsequent condensing of the fractions by cooling.

**Aviation Gasoline (Finished).** A complex mixture of relatively volatile hydrocarbons with or without small quantities of additives, blended to form a fuel suitable for use in aviation reciprocating

engines. Fuel specifications are provided in ASTM Specification D 910 and Military Specification MIL-G-5572. Note: Data on blending components are not counted in data on finished aviation gasoline.

**Aviation Gasoline Blending Components.** Naphthas which will be used for blending or compounding into finished aviation gasoline (e.g., straight-run gasoline, alkylate, reformat, benzene, toluene, and xylene). Excludes oxygenates (alcohols, ethers), butane, and pentanes plus. Oxygenates are reported as other hydrocarbons, hydrogen, and oxygenates.

**Barrel.** A unit of volume equal to 42 U.S. gallons.

**Barrels Per Calendar Day.** The amount of input that a distillation facility can process under usual operating conditions. The amount is expressed in terms of capacity during a 24-hour period and reduces the maximum processing capability of all units at the facility under continuous operation (see **Barrels per Stream Day**) to account for the following limitations that may delay, interrupt, or slow down production:

the capability of downstream facilities to absorb the output of crude oil processing facilities of a given refinery. No reduction is made when a planned distribution of intermediate streams through other than downstream facilities is part of a refinery's normal operation;

the types and grades of inputs to be processed;

the types and grades of products expected to be manufactured;

the environmental constraints associated with refinery operations;

the reduction of capacity for scheduled downtime due to such conditions as routine inspection, maintenance, repairs, and turnaround; and

the reduction of capacity for unscheduled downtime due to such conditions as mechanical problems, repairs, and slowdowns.

**Barrels Per Stream Day.** The maximum number of barrels of input that a distillation facility can process within a 24-hour period when running at full capacity under optimal crude and product slate conditions with no allowance for downtime.

**Benzene ( $\text{C}_6\text{H}_6$ ).** An aromatic hydrocarbon present in small proportion in some crude oils and made commercially from petroleum by the catalytic reforming of naphthenes in petroleum naphtha. Also made from coal in the manufacture of coke. Used as a solvent, in manufacturing detergents, synthetic fibers, and petrochemicals and as a component of high-octane gasoline.

**Biomass-Based Diesel Fuel.** Biodiesel and other renewable diesel fuel or diesel fuel blending components derived from biomass, but excluding renewable diesel fuel coprocessed with petroleum

feedstocks.

**Blending Components.** See *Motor or Aviation Gasoline Blending Components*.

**Blending Plant.** A facility which has no refining capability but is either capable of producing finished motor gasoline through mechanical blending or blends oxygenates with motor gasoline.

**Bonded Petroleum Imports.** Petroleum imported and entered into Customs bonded storage. These imports are not included in the import statistics until they are: (1) withdrawn from storage free of duty for use as fuel for vessels and aircraft engaged in international trade; or (2) withdrawn from storage with duty paid for domestic use.

**BTX.** The acronym for the commercial petroleum aromatics benzene, toluene, and xylene. See individual categories for definitions.

**Bulk Station.** A facility used primarily for the storage and/or marketing of petroleum products which has a total bulk storage capacity of less than 50,000 barrels and receives its petroleum products by tank car or truck.

**Bulk Terminal.** A facility used primarily for the storage and/or marketing of petroleum products which has a total bulk storage capacity of 50,000 barrels or more and/or receives petroleum products by tanker, barge, or pipeline.

**Butane ( $C_4H_{10}$ ).** A normally gaseous straight-chain or branch-chain hydrocarbon extracted from natural gas or refinery gas streams. It includes normal butane and refinery-grade butane and is designated in ASTM Specification D1835 and Gas Processors Association Specifications for commercial butane.

**Normal Butane ( $C_4H_{10}$ ).** A normally gaseous straight-chain hydrocarbon that is a colorless paraffinic gas which boils at a temperature of 31.1 degrees Fahrenheit and is extracted from natural gas or refinery gas streams.

**Refinery-Grade Butane ( $C_4H_{10}$ ).** A refinery-produced stream that is composed predominantly of normal butane and/or isobutane and may also contain propane and/or natural gasoline. These streams may also contain significant levels of olefins and/or fluorides contamination.

**Butylene ( $C_4H_8$ ).** An olefinic hydrocarbon recovered from refinery processes.

**Captive Refinery Oxygenate Plants.** Oxygenate production facilities located within or adjacent to a refinery complex.

**Catalytic Cracking.** The refining process of breaking down the larger, heavier, and more complex hydrocarbon molecules into simpler and lighter molecules. Catalytic cracking is accomplished by the use of a catalytic agent and is an effective process for increasing the yield of gasoline from crude oil. Catalytic cracking processes fresh feeds and recycled feeds.

**Fresh Feeds.** Crude oil or petroleum distillates which are being fed to processing units for the first time.

**Recycled Feeds.** Feeds that are continuously fed back for additional processing.

**Catalytic Hydrocracking.** A refining process that uses hydrogen and catalysts with relatively low temperatures and high pressures for converting middle boiling or residual material to high-octane gasoline, reformer charge stock, jet fuel, and/or high grade fuel oil. The process uses one or more catalysts, depending upon product output, and can handle high sulfur feedstocks without prior desulfurization.

**Catalytic Hydrotreating.** A refining process for treating petroleum fractions from atmospheric or vacuum distillation units (e.g., naphthas, middle distillates, reformer feeds, residual fuel oil, and heavy gas oil) and other petroleum (e.g., cat cracked naphtha, coker naphtha, gas oil, etc.) in the presence of catalysts and substantial quantities of hydrogen. Hydrotreating includes desulfurization, removal of substances (e.g., nitrogen compounds) that deactivate catalysts, conversion of olefins to paraffins to reduce gum formation in gasoline, and other processes to upgrade the quality of the fractions.

**Catalytic Reforming.** A refining process using controlled heat and pressure with catalysts to rearrange certain hydrocarbon molecules, thereby converting paraffinic and naphthenic type hydrocarbons (e.g., low-octane gasoline boiling range fractions) into petrochemical feedstocks and higher octane stocks suitable for blending into finished gasoline. Catalytic reforming is reported in two categories. They are:

**Low Pressure.** A processing unit operating at less than 225 pounds per square inch gauge (PSIG) measured at the outlet separator.

**High Pressure.** A processing unit operating at either equal to or greater than 225 pounds per square inch gauge (PSIG) measured at the outlet separator.

**Charge Capacity.** The input (feed) capacity of the refinery processing facilities.

**Coal.** A readily combustible black or brownish-black rock whose composition, including inherent moisture, consists of more than 50 percent by weight and more than 70 percent by volume of carbonaceous material. It is formed from plant remains that have been compacted, hardened, chemically altered, and metamorphosed by heat and pressure over geologic time.

**Commercial Kerosene-Type Jet Fuel.** See *Kerosene-Type Jet Fuel*.

**Conventional Blendstock for Oxygenate Blending (CBOB).** See *Motor Gasoline Blending Components*.

**Conventional Gasoline.** See *Motor Gasoline (Finished)*.

**Crude Oil.** A mixture of hydrocarbons that exists in liquid phase in natural underground reservoirs and remains liquid at atmospheric pressure after passing through surface separating facilities. Depending upon the characteristics of the crude stream, it may also include:

Small amounts of hydrocarbons that exist in gaseous phase in natural underground reservoirs but are liquid at atmospheric pressure after being recovered from oil well (casinghead) gas in lease separators and are subsequently commingled



with the crude stream without being separately measured. Lease condensate recovered as a liquid from natural gas wells in lease or field separation facilities and later mixed into the crude stream is also included;

Small amounts of nonhydrocarbons produced from oil, such as sulfur and various metals;

Drip gases, and liquid hydrocarbons produced from tar sands, oil sands, gilsonite, and oil shale.

Liquids produced at natural gas processing plants are excluded. Crude oil is refined to produce a wide array of petroleum products, including heating oils; gasoline, diesel and jet fuels; lubricants; asphalt; ethane, propane, and butane; and many other products used for their energy or chemical content.

Crude oil is considered as either domestic or foreign, according to the following:

**Domestic.** Crude oil produced in the United States or from its Outer continental shelf as defined in 43 USC 1331.

**Foreign.** Crude oil produced outside the United States. Imported Athabasca hydrocarbons (tar sands from Canada) are included.

**Crude Oil, Refinery Receipts.** Receipts of domestic and foreign crude oil at a refinery. Includes all crude oil in transit except crude oil in transit by pipeline. Foreign crude oil is reported as a receipt only after entry through customs. Crude oil of foreign origin held in bonded storage is excluded.

**Crude Oil Losses.** Represents the volume of crude oil reported by petroleum refineries as being lost in their operations. These losses are due to spills, contamination, fires, etc. as opposed to refinery processing losses.

**Crude Oil Production.** The volume of crude oil produced from oil reservoirs during given periods of time. The amount of such production for a given period is measured as volumes delivered from lease storage tanks (i.e., the point of custody transfer) to pipelines, trucks, or other media for transport to refineries or terminals with adjustments for (1) net differences between opening and closing lease inventories, and (2) basic sediment and water (BS&W).

**Crude Oil Qualities.** Refers to two properties of crude oil, the sulfur content and API gravity, which affect processing complexity and product characteristics.

**Delayed Coking.** A process by which heavier crude oil fractions can be thermally decomposed under conditions of elevated temperatures and pressure to produce a mixture of lighter oils and petroleum coke. The light oils can be processed further in other refinery units to meet product specifications. The coke can be used either as a fuel or in other applications such as the manufacturing of steel or aluminum.

**Desulfurization.** The removal of sulfur, as from molten metals, petroleum oil, or flue gases. Petroleum desulfurization is a process that removes sulfur and its compounds from various streams during the refining process. Desulfurization processes include catalytic hydrotreating and other chemical/physical processes such

as adsorption. Desulfurization processes vary based on the type of stream treated (e.g., naphtha, distillate, heavy gas oil, etc.) and the amount of sulfur removed (e.g., sulfur reduction to 10 ppm). See *Catalytic Hydrotreating*.

**Disposition.** The components of petroleum disposition are stock change, crude oil losses, refinery inputs, exports, and products supplied for domestic consumption.

**Distillate Fuel Oil.** A general classification for one of the petroleum fractions produced in conventional distillation operations. It includes diesel fuels and fuel oils. Products known as No. 1, No. 2, and No. 4 diesel fuel are used in on-highway diesel engines, such as those in trucks and automobiles, as well as off-highway engines, such as those in railroad locomotives and agricultural machinery. Products known as No. 1, No. 2, and No. 4 fuel oils are used primarily for space heating and electric power generation.

**No. 1 Distillate.** A light petroleum distillate that can be used as either a diesel fuel or a fuel oil.

**No. 1 Diesel Fuel.** A light distillate fuel oil that has a distillation temperature of 550 degrees Fahrenheit at the 90-percent recovery point and meets the specifications defined in ASTM Specification D 975. It is used in high speed diesel engines generally operated under frequent speed and load changes, such as those in city buses and similar vehicles. See *No. 1 Distillate*.

**No. 1 Fuel Oil.** A light distillate fuel oil that has distillation temperatures of 400 degrees Fahrenheit at the 10-percent recovery point and 550 degrees Fahrenheit at the 90-percent recovery point and meets the specifications defined in ASTM Specification D 396. It is used primarily as fuel for portable outdoor stoves and portable outdoor heaters. See *No. 1 Distillate*.

**No. 2 Distillate.** A petroleum distillate that can be used as either a diesel fuel or a fuel oil.

**No. 2 Diesel Fuel.** A distillate fuel oil that has a distillation temperature of 640 degrees Fahrenheit at the 90-percent recovery point and meets the specifications defined in ASTM Specification D 975. It is used in high-speed diesel engines that are generally operated under uniform speed and load conditions, such as those in railroad locomotives, trucks, and automobiles. See *No. 2 Distillate*.

**Low Sulfur No. 2 Diesel Fuel.** No. 2 diesel fuel that has a sulfur level no higher than 0.05 percent by weight. It is used primarily in motor vehicle diesel engines for on-highway use.

**High Sulfur No. 2 Diesel Fuel.** No. 2 diesel fuel that has a sulfur level above 0.05 percent by weight.

**No. 2 Fuel Oil (Heating Oil).** A distillate fuel oil that has a distillation temperature of 640 degrees Fahrenheit at the 90-percent recovery point and meets the specifications defined in ASTM Specification D 396. It is used in

atomizing type burners for domestic heating or for moderate capacity commercial/industrial burner units. See **No. 2 Distillate**.

**No. 4 Fuel.** A distillate fuel oil made by blending distillate fuel oil and residual fuel oil stocks. It conforms to ASTM Specification D 396 or Federal Specification VV-F-815C and is used extensively in industrial plants and in commercial burner installations that are not equipped with preheating facilities. It also includes No. 4 diesel fuel used for low- and medium-speed diesel engines and conforms to ASTM Specification D 975.

**No. 4 Diesel Fuel.** See **No. 4 Fuel**.

**No. 4 Fuel Oil.** See **No. 4 Fuel**.

**Electricity (Purchased).** Electricity purchased for refinery operations that is not produced within the refinery complex.

**Ending Stocks.** Primary stocks of crude oil and petroleum products held in storage as of 12 midnight on the last day of the month. Primary stocks include crude oil or petroleum products held in storage at (or in) leases, refineries, natural gas processing plants, pipelines, tank farms, and bulk terminals that can store at least 50,000 barrels of petroleum products or that can receive petroleum products by tanker, barge, or pipeline. Crude oil that is in-transit by water from Alaska, or that is stored on Federal leases or in the Strategic Petroleum Reserve is included. Primary Stocks exclude stocks of foreign origin that are held in bonded warehouse storage.

**ETBE (Ethyl tertiary butyl ether) (CH<sub>3</sub>)<sub>3</sub>COC<sub>2</sub>H<sub>5</sub>.** An oxygenate blend stock formed by the catalytic etherification of isobutylene with ethanol.

**Ethane (C<sub>2</sub>H<sub>6</sub>).** A normally gaseous straight-chain hydrocarbon. It is a colorless paraffinic gas that boils at a temperature of - 127.48 degrees Fahrenheit. It is extracted from natural gas and refinery gas streams.

**Ether.** A generic term applied to a group of organic chemical compounds composed of carbon, hydrogen, and oxygen, characterized by an oxygen atom attached to two carbon atoms (e.g., methyl tertiary butyl ether).

**Ethylene (C<sub>2</sub>H<sub>4</sub>).** An olefinic hydrocarbon recovered from refinery processes or petrochemical processes. Ethylene is used as a petrochemical feedstock for numerous chemical applications and the production of consumer goods.

**Exports.** Shipments of crude oil and petroleum products from the 50 States and the District of Columbia to foreign countries, Puerto Rico, the Virgin Islands, and other U.S. possessions and territories.

**Field Production.** Represents crude oil production on leases, natural gas liquids production at natural gas processing plants, new supply of other hydrocarbons/oxygenates and motor gasoline blending components, and fuel ethanol blended into finished motor gasoline.

**Flexicoking.** A thermal cracking process which converts heavy

hydrocarbons such as crude oil, tar sands bitumen, and distillation residues into light hydrocarbons. Feedstocks can be any pumpable hydrocarbons including those containing high concentrations of sulfur and metals.

**Fluid Coking.** A thermal cracking process utilizing the fluidized-solids technique to remove carbon (coke) for continuous conversion of heavy, low-grade oils into lighter products.

**Fresh Feed Input.** Represents input of material (crude oil, unfinished oils, natural gas liquids, other hydrocarbons and oxygenates or finished products) to processing units at a refinery that is being processed (input) into a particular unit for the first time.

Examples:

(1.) Unfinished oils coming out of a crude oil distillation unit which are input into a catalytic cracking unit are considered fresh feed to the catalytic cracking unit.

(2.) Unfinished oils coming out of a catalytic cracking unit being looped back into the same catalytic cracking unit to be reprocessed are not considered fresh feed.

**Fuel Ethanol (C<sub>2</sub>H<sub>5</sub>OH).** An anhydrous alcohol (ethanol with less than 1% water) intended for gasoline blending as described in Oxygenates definition.

**Fuels Solvent Deasphalting.** A refining process for removing asphalt compounds from petroleum fractions, such as reduced crude oil. The recovered stream from this process is used to produce fuel products.

**Gas Oil.** A liquid petroleum distillate having a viscosity intermediate between that of kerosene and lubricating oil. It derives its name from having originally been used in the manufacture of illuminating gas. It is now used to produce distillate fuel oils and gasoline.

**Gasohol.** A blend of finished motor gasoline containing alcohol (generally ethanol but sometimes methanol) at a concentration of 10 percent or less by volume. Data on gasohol that has at least 2.7 percent oxygen, by weight, and is intended for sale inside carbon monoxide nonattainment areas are included in data on oxygenated gasoline. See **Oxygenates**.

**Gasoline Blending Components.** Naphthas which will be used for blending or compounding into finished aviation or motor gasoline (e.g., straight-run gasoline, alkylate, reformate, benzene, toluene, and xylene). Excludes oxygenates (alcohols, ethers), butane, and pentanes plus.

**Gasoline Treated as Blendstock (GTAB).** See **Motor Gasoline Blending Components**.

**Gross Input to Atmospheric Crude Oil Distillation Units.** Total input to atmospheric crude oil distillation units. Includes all crude oil, lease condensate, natural gas plant liquids, unfinished oils, liquefied refinery gases, slop oils, and other liquid hydrocarbons produced from tar sands, gilsonite, and oil shale.

**Heavy Gas Oil.** Petroleum distillates with an approximate boiling

range from 651 degrees Fahrenheit to 1000 degrees Fahrenheit.

**High-Sulfur Distillate Fuel Oil.** Distillate fuel oil having sulfur content greater than 500 ppm.

**Hydrogen.** The lightest of all gases, occurring chiefly in combination with oxygen in water; exists also in acids, bases, alcohols, petroleum, and other hydrocarbons.

**Idle Capacity.** The component of operable capacity that is not in operation and not under active repair, but capable of being placed in operation within 30 days; and capacity not in operation but under active repair that can be completed within 90 days.

**Imported Crude Oil Burned As Fuel.** The amount of foreign crude oil burned as a fuel oil, usually as residual fuel oil, without being processed as such. Imported crude oil burned as fuel includes lease condensate and liquid hydrocarbons produced from tar sands, gilsonite, and oil shale.

**Imports.** Receipts of crude oil and petroleum products into the 50 States and the District of Columbia from foreign countries, Puerto Rico, the Virgin Islands, and other U.S. possessions and territories.

**Isobutane ( $C_4H_{10}$ ).** A normally gaseous branch-chain hydrocarbon. It is a colorless paraffinic gas that boils at a temperature of 10.9 degrees Fahrenheit. It is extracted from natural gas or refinery gas streams.

**Isobutylene ( $C_4H_8$ ).** An olefinic hydrocarbon recovered from refinery processes or petrochemical processes.

**Isohexane ( $C_6H_{14}$ ).** A saturated branch-chain hydrocarbon. It is a colorless liquid that boils at a temperature of 156.2 degrees Fahrenheit.

**Isomerization.** A refining process which alters the fundamental arrangement of atoms in the molecule without adding or removing anything from the original material. Used to convert normal butane into isobutane ( $C_4$ ), an alkylation process feedstock, and normal pentane and hexane into isopentane ( $C_5$ ) and isohexane ( $C_6$ ), high-octane gasoline components.

**Isopentane.** See *Natural Gasoline and Isopentane*.

**Kerosene.** A light petroleum distillate that is used in space heaters, cook stoves, and water heaters and is suitable for use as a light source when burned in wick-fed lamps. Kerosene has a maximum distillation temperature of 400 degrees Fahrenheit at the 10-percent recovery point, a final boiling point of 572 degrees Fahrenheit, and a minimum flash point of 100 degrees Fahrenheit. Included are No. 1-K and No. 2-K, the two grades recognized by ASTM Specification D 3699 as well as all other grades of kerosene called range or stove oil, which have properties similar to those of No. 1 fuel oil. See *Kerosene-Type Jet Fuel*.

**Kerosene-Type Jet Fuel.** A kerosene-based product having a maximum distillation temperature of 400 degrees Fahrenheit at the 10-percent recovery point and a final maximum boiling point of 572 degrees Fahrenheit and meeting ASTM Specification D 1655 and Military Specifications MIL-T-5624P and MIL-T-83133D (Grades JP-5 and JP-8). It is used for commercial and military turbojet and turboprop aircraft engines.

**Commercial.** Kerosene-type jet fuel intended for use in commercial aircraft.

**Military.** Kerosene-type jet fuel intended for use in military aircraft.

**Lease Condensate.** A mixture consisting primarily of pentanes and heavier hydrocarbons which is recovered as a liquid from natural gas in lease separation facilities. This category excludes natural gas liquids, such as butane and propane, which are recovered at downstream natural gas processing plants or facilities. See *Natural Gas Liquids*.

**Light Gas Oils.** Liquid Petroleum distillates heavier than naphtha, with an approximate boiling range from 401 degrees Fahrenheit to 650 degrees Fahrenheit.

**Liquefied Petroleum Gases (LPG).** A group of hydrocarbon-based gases derived from crude oil refining or natural gas fractionation. They include: ethane, ethylene, propane, propylene, normal butane, butylene, isobutane, and isobutylene. For convenience of transportation, these gases are liquefied through pressurization.

**Liquefied Refinery Gases (LRG).** Liquefied petroleum gases fractionated from refinery or still gases. Through compression and/or refrigeration, they are retained in the liquid state. The reported categories are ethane/ethylene, propane/propylene, normal butane/butylene, and isobutane/isobutylene. Excludes still gas.

**Low-Sulfur Distillate Fuel Oil.** Distillate fuel oil having sulfur content greater than 15 ppm to 500 ppm. Low sulfur distillate fuel oil also includes product with sulfur content equal to or less than 15 ppm if the product is intended for pipeline shipment and the pipeline has a sulfur specification below 15 ppm.

**Lubricants.** Substances used to reduce friction between bearing surfaces or as process materials either incorporated into other materials used as processing aids in the manufacture of other products, or used as carriers of other materials. Petroleum lubricants may be produced either from distillates or residues. Lubricants include all grades of lubricating oils from spindle oil to cylinder oil and those used in greases.

**Merchant Oxygenate Plants.** Oxygenate production facilities that are not associated with a petroleum refinery. Production from these facilities is sold under contract or on the spot market to refiners or other gasoline blenders.

**Methanol ( $CH_3OH$ ).** A light, volatile alcohol intended for gasoline blending as described in Oxygenate definition.

**Middle Distillates.** A general classification of refined petroleum products that includes distillate fuel oil and kerosene.

**Military Kerosene-Type Jet Fuel.** See *Kerosene-Type Jet Fuel*.

**Miscellaneous Products.** Includes all finished products not classified elsewhere (e.g., petrolatum, lube refining byproducts (aromatic extracts and tars), absorption oils, ram-jet fuel, petroleum rocket fuels, synthetic natural gas feedstocks, and specialty oils). Note:

Beginning with January 2004 data, naphtha-type jet fuel is included in Miscellaneous Products.

**Motor Gasoline (Finished).** A complex mixture of relatively volatile hydrocarbons with or without small quantities of additives, blended to form a fuel suitable for use in spark-ignition engines. Motor gasoline, as defined in ASTM Specification D 4814 or Federal Specification VV-G-1690C, is characterized as having a boiling range of 122 to 158 degrees Fahrenheit at the 10 percent recovery point to 365 to 374 degrees Fahrenheit at the 90 percent recovery point. "Motor Gasoline" includes conventional gasoline; all types of oxygenated gasoline, including gasohol; and reformulated gasoline, but excludes aviation gasoline. Volumetric data on blending components, such as oxygenates, are not counted in data on finished motor gasoline until the blending components are blended into the gasoline. Note: E85 is included only in volumetric data on finished motor gasoline production and other components of product supplied.

**Conventional Gasoline.** Finished motor gasoline not included in the oxygenated or reformulated gasoline categories. Note: This category excludes reformulated gasoline blendstock for oxygenate blending (RBOB) as well as other blendstock.

**Ed 55 and Lower.** Finished conventional motor gasoline blended with a maximum of 55 volume percent denatured fuel ethanol.

**Greater than Ed55.** Finished conventional motor gasoline blended with denatured fuel ethanol where the volume percent of denatured fuel ethanol exceeds 55%.

**OPRG.** "Oxygenated Fuels Program Reformulated Gasoline" is reformulated gasoline which is intended for use in an oxygenated fuels program control area.

**Oxygenated Gasoline (Including Gasohol).** Oxygenated gasoline includes all finished motor gasoline, other than reformulated gasoline, having oxygen content of 2.0 percent or higher by weight. Gasohol containing a minimum 5.7 percent ethanol by volume is included in oxygenated gasoline. Oxygenated gasoline was reported as a separate product from January 1993 until December 2003 inclusive. Beginning with monthly data for January 2004, oxygenated gasoline is included in conventional gasoline. Historical data for oxygenated gasoline excluded Federal Oxygenated Program Reformulated Gasoline (OPRG). Historical oxygenated gasoline data also excluded other reformulated gasoline with a seasonal oxygen requirement regardless of season.

**Reformulated Gasoline.** Finished gasoline formulated for use in motor vehicles, the composition and properties of which meet the requirements of the reformulated gasoline regulations promulgated by the U.S. Environmental Protection Agency under Section 211(k) of the Clean Air Act. It includes gasoline produced to meet or exceed emissions performance and benzene content standards of federal-program reformulated gasoline even though the gasoline

may not meet all of the composition requirements (e.g., oxygen content) of federal-program reformulated gasoline. Note: This category includes Oxygenated Fuels Program Reformulated Gasoline (OPRG). Reformulated gasoline excludes Reformulated Blendstock for Oxygenate Blending (RBOB) and Gasoline Treated as Blendstock (GTAB).

**Reformulated (Blended with Alcohol).** Reformulated gasoline blended with an alcohol component (e.g., fuel ethanol) at a terminal or refinery to raise the oxygen content.

**Reformulated (Blended with Ether).** Reformulated gasoline blended with an ether component (e.g., methyl tertiary butyl ether) at a terminal or refinery to raise the oxygen content.

**Reformulated (Non-Oxygenated).** Reformulated gasoline without added ether or alcohol components.

**Motor Gasoline Blending.** Mechanical mixing of motor gasoline blending components, and oxygenates when required, to produce finished motor gasoline. Finished motor gasoline may be further mixed with other motor gasoline blending components or oxygenates, resulting in increased volumes of finished motor gasoline and/or changes in the formulation of finished motor gasoline (e.g., conventional motor gasoline mixed with MTBE to produce oxygenated motor gasoline).

**Motor Gasoline Blending Components.** Naphthas (e.g., straight-run gasoline, alkylate, reformate, benzene, toluene, xylene) used for blending or compounding into finished motor gasoline. These components include reformulated gasoline blendstock for oxygenate blending (RBOB) but exclude oxygenates (alcohols, ethers), butane, and pentanes plus. Note: Oxygenates are reported as individual components and are included in the total for other hydrocarbons, hydrogens, and oxygenates.

**Conventional Blendstock for Oxygenate Blending (CBOB).** Conventional gasoline blendstock intended for blending with oxygenates downstream of the refinery where it was produced. CBOB must become conventional gasoline after blending with oxygenates. Motor gasoline blending components that require blending other than with oxygenates to become finished conventional gasoline are reported as All Other Motor Gasoline Blending Components. Excludes reformulated blendstock for oxygenate blending (RBOB).

**Gasoline Treated as Blendstock (GTAB).** Non-certified Foreign Refinery gasoline classified by an importer as blendstock to be either blended or reclassified with respect to reformulated or conventional gasoline. GTAB was classified on EIA surveys as either reformulated or conventional based on emissions performance and the intended end use in data through the end of December 2009. Designation of GTAB as reformulated or conventional was discontinued beginning with data for January 2010. GTAB was reported as a single product beginning with data for January 2010. GTAB data for January 2010 and later months is presented as conventional



motor gasoline blending components when reported as a subset of motor gasoline blending components.

**Reformulated Blendstock for Oxygenate Blending (RBOB).** Specially produced reformulated gasoline blendstock intended for blending with oxygenates downstream of the refinery where it was produced. Includes RBOB used to meet requirements of the Federal reformulated gasoline program and other blendstock intended for blending with oxygenates to produce finished gasoline that meets or exceeds emissions performance requirements of Federal reformulated gasoline (e.g., California RBOB and Arizona RBOB). Excludes conventional gasoline blendstocks for oxygenate blending (CBOB).

**RBOB for Blending with Alcohol.** Motor gasoline blending components intended to be blended with an alcohol component (e.g., fuel ethanol) at a terminal or refinery to raise the oxygen content. RBOB product detail by type of oxygenate was discontinued effective with data for January 2010. Beginning with data for January 2010, RBOB was reported as a single product.

**RBOB for Blending with Ether.** Motor gasoline blending components intended to be blended with an ether component (e.g., methyl tertiary butyl ether) at a terminal or refinery to raise the oxygen content. RBOB product detail by type of oxygenate was discontinued effective with data for January 2010. Beginning with data for January 2010, RBOB was reported as a single product.

**All Other Motor Gasoline Blending Components.** Naphthas (e.g., straight-run gasoline, alkylate, reformate, benzene, toluene, xylene) used for blending or compounding into finished motor gasoline. Includes receipts and inputs of Gasoline Treated as Blendstock (GTAB). Excludes conventional blendstock for oxygenate blending (CBOB), reformulated blendstock for oxygenate blending, oxygenates (e.g., fuel ethanol and methyl tertiary butyl ether), butane, and pentanes plus.

**MTBE (Methyl tertiary butyl ether)  $(CH_3)_3COCH_3$ .** An ether intended for gasoline blending as described in Oxygenate definition.

**Naphtha.** A generic term applied to a petroleum fraction with an approximate boiling range between 122 degrees Fahrenheit and 400 degrees Fahrenheit.

**Naphtha Less Than 401° F.** See *Petrochemical Feedstocks*.

**Naphtha-Type Jet Fuel.** A fuel in the heavy naphtha boiling range having an average gravity of 52.8 degrees API, 20 to 90 percent distillation temperatures of 290 degrees to 470 degrees Fahrenheit, and meeting Military Specification MIL-T-5624L (Grade JP-4). It is used primarily for military turbojet and turboprop aircraft engines because it has a lower freeze point than other aviation fuels and meets engine requirements at high altitudes and speeds. Note: Beginning with January 2004 data, naphtha-type jet fuel is included in *Miscellaneous Products*.

**Natural Gas.** A gaseous mixture of hydrocarbon compounds, the primary one being **methane**.

**Natural Gas Field Facility.** A field facility designed to process natural gas produced from more than one lease for the purpose of recovering condensate from a stream of natural gas; however, some field facilities are designed to recover propane, normal butane, pentanes plus, etc., and to control the quality of natural gas to be marketed.

**Natural Gas Liquids.** Those hydrocarbons in natural gas that are separated from the gas as liquids through the process of absorption, condensation, adsorption, or other methods in gas processing or cycling plants. Generally such liquids consist of propane and heavier hydrocarbons and are commonly referred to as lease condensate, natural gasoline, and liquefied petroleum gases. Natural gas liquids include natural gas plant liquids (primarily ethane, propane, butane, and isobutane; see *Natural Gas Plant Liquids*) and lease condensate (primarily pentanes produced from natural gas at lease separators and field facilities; see *Lease Condensate*).

**Natural Gas Plant Liquids.** Those hydrocarbons in natural gas that are separated as liquids at natural gas processing plants, fractionating and cycling plants, and, in some instances, field facilities. Lease condensate is excluded. Products obtained include ethane; liquefied petroleum gases (propane, butanes, propane-butane mixtures, ethane-propane mixtures); isopentane; and other small quantities of finished products, such as motor gasoline, special naphthas, jet fuel, kerosene, and distillate fuel oil.

**Natural Gas Processing Plant.** Facilities designed to recover natural gas liquids from a stream of natural gas that may or may not have passed through lease separators and/or field separation facilities. These facilities control the quality of the natural gas to be marketed. Cycling plants are classified as gas processing plants.

**Natural Gasoline and Isopentane.** A mixture of hydrocarbons, mostly pentanes and heavier, extracted from natural gas, that meets vapor pressure, end-point, and other specifications for natural gasoline set by the Gas Processors Association. Includes isopentane which is a saturated branch-chain hydrocarbon,  $(C_5H_{12})$ , obtained by fractionation of natural gasoline or isomerization of normal pentane.

**Net Receipts.** The difference between total movements into and total movements out of each PAD District by pipeline, tanker, and barge.

**Normal Butane.** See *Butane*.

**OPEC.** An intergovernmental organization whose stated objective is to coordinate and unify petroleum policies of member countries. It was created at the Baghdad Conference on September 10–14, 1960. Current and former members (with years of membership) include Algeria (1969-present), Angola (2007-present), Congo (Brazzaville) (June 2018-present), Ecuador (1973-1992 and 2007-2019), Equatorial Guinea (2017-present), Gabon (1975-1994 and July, 2016-present), Indonesia (1962-2008 and January, 2016-November, 2016), Iran (1960-present), Iraq (1960-present), Kuwait (1960-present), Libya (1962-present), Nigeria (1971-present), Qatar (1961-2018), Saudi Arabia (1960-present), United Arab Emirates (1967-present), and

Venezuela (1960-present).

**Operable Capacity.** The amount of capacity that, at the beginning of the period, is in operation; not in operation and not under active repair, but capable of being placed in operation within 30 days; or not in operation but under active repair that can be completed within 90 days. Operable capacity is the sum of the operating and idle capacity and is measured in barrels per calendar day or barrels per stream day.

**Operable Utilization Rate.** Represents the utilization of the atmospheric crude oil distillation units. The rate is calculated by dividing the gross input to these units by the operable refining capacity of the units.

**Operating Capacity.** The component of operable capacity that is in operation at the beginning of the period.

**Operating Utilization Rate.** Represents the utilization of the atmospheric crude oil distillation units. The rate is calculated by dividing the gross input to these units by the operating refining capacity of the units.

**Other Hydrocarbons.** Materials received by a refinery and consumed as raw materials. Includes coal tar derivatives and gilsonite. Included hydrogen in data prior to January 2009 and excluded hydrogen thereafter. Excludes natural gas used for fuel or hydrogen feedstock.

**Other Oils Equal To or Greater Than 401° F.** See **Petrochemical Feedstocks**.

**Other Oxygenates.** Other aliphatic alcohols and aliphatic ethers intended for motor gasoline blending (e.g., isopropyl ether (IPE) or n-propanol).

**Oxygenated Gasoline.** See **Motor Gasoline (Finished)**.

**Oxygenates.** Substances which, when added to gasoline, increase the amount of oxygen in that gasoline blend. Fuel Ethanol, Methyl Tertiary Butyl Ether (MTBE), Ethyl Tertiary Butyl Ether (ETBE), and methanol are common oxygenates.

**Fuel Ethanol.** Blends of up to 10 percent by volume anhydrous ethanol (200 proof) (commonly referred to as the “gasohol waiver”).

**Methanol.** Blends of methanol and gasoline-grade tertiary butyl alcohol (GTBA) such that the total oxygen content does not exceed 3.5 percent by weight and the ratio of methanol to GTBA is less than or equal to 1. It is also specified that this blended fuel must meet ASTM volatility specifications (commonly referred to as the “ARCO” waiver).

Blends of up to 5.0 percent by volume methanol with a minimum of 2.5 percent by volume cosolvent alcohols having a carbon number of 4 or less (i.e., ethanol, propanol, butanol, and/or GTBA). The total oxygen must not exceed 3.7 percent by weight, and the blend must meet ASTM volatility specifications as well as phase separation and alcohol purity specifications (commonly referred to as the “DuPont” waiver).

**MTBE (Methyl tertiary butyl ether).** Blends up to 15.0

percent by volume MTBE which must meet the ASTM D4814 specifications. Blenders must take precautions that the blends are not used as base gasolines for other oxygenated blends (commonly referred to as the “Sun” waiver).

**Pentanes Plus.** A mixture of hydrocarbons, mostly pentanes and heavier, extracted from natural gas. Includes isopentane, natural gasoline, and plant condensate.

**Persian Gulf.** The countries that comprise the Persian Gulf are: Bahrain, Iran, Iraq, Kuwait, Qatar, Saudi Arabia, and the United Arab Emirates.

**Petrochemical Feedstocks.** Chemical feedstocks derived from petroleum principally for the manufacture of chemicals, synthetic rubber, and a variety of plastics. The categories reported are “Naphtha Less Than 401° F” and “Other Oils Equal To or Greater Than 401° F.”

**Naphtha Less Than 401° F.** A naphtha with a boiling range of less than 401 degrees Fahrenheit that is intended for use as a petrochemical feedstock.

**Other Oils Equal To or Greater Than 401° F.** Oils with a boiling range equal to or greater than 401 degrees Fahrenheit that are intended for use as a petrochemical feedstock.

**Petroleum Administration for Defense (PAD) Districts.** Geographic aggregations of the 50 States and the District of Columbia into five districts by the Petroleum Administration for Defense in 1950. These districts were originally defined during World War II for purposes of administering oil allocation.

**Petroleum Coke.** A residue high in carbon content and low in hydrogen that is the final product of thermal decomposition in the condensation process in cracking. This product is reported as marketable coke or catalyst coke. The conversion is 5 barrels (of 42 U.S. gallons each) per short ton. Coke from petroleum has a heating value of 6.024 million Btu per barrel.

**Catalyst Coke.** In many catalytic operations (e.g., catalytic cracking) carbon is deposited on the catalyst, thus deactivating the catalyst. The catalyst is reactivated by burning off the carbon, which is used as a fuel in the refining process. This carbon or coke is not recoverable in a concentrated form.

**Marketable Coke.** Those grades of coke produced in delayed or fluid cokers which may be recovered as relatively pure carbon. This “green” coke may be sold as is or further purified by calcining.

**Petroleum Products.** Petroleum products are obtained from the processing of crude oil (including lease condensate), natural gas, and other hydrocarbon compounds. Petroleum products include unfinished oils, liquefied petroleum gases, pentanes plus, aviation gasoline, motor gasoline, naphtha-type jet fuel, kerosene-type jet fuel, kerosene, distillate fuel oil, residual fuel oil, petrochemical feedstocks, special naphthas, lubricants, waxes, petroleum coke, asphalt, road oil, still gas, and miscellaneous products.

**Pipeline (Petroleum).** Crude oil and product pipelines used to transport crude oil and petroleum products respectively, (including

interstate, intrastate, and intracompany pipelines) within the 50 States and the District of Columbia.

**Plant Condensate.** One of the natural gas liquids, mostly pentanes and heavier hydrocarbons, recovered and separated as liquids at gas inlet separators or scrubbers in processing plants.

**Processing Gain.** The volumetric amount by which total output is greater than input for a given period of time. This difference is due to the processing of crude oil into products which, in total, have a lower specific gravity than the crude oil processed.

**Processing Loss.** The volumetric amount by which total refinery output is less than input for a given period of time. This difference is due to the processing of crude oil into products which, in total, have a higher specific gravity than the crude oil processed.

**Product Supplied, Crude Oil.** Crude oil burned on leases and by pipelines as fuel.

**Production Capacity.** The maximum amount of product that can be produced from processing facilities.

**Products Supplied.** Approximately represents consumption of petroleum products because it measures the disappearance of these products from primary sources, i.e., refineries, natural gas processing plants, blending plants, pipelines, and bulk terminals. In general, product supplied of each product in any given period is computed as follows: field production, plus refinery production, plus imports, plus unaccounted for crude oil, (plus net receipts when calculated on a PAD District basis), minus stock change, minus crude oil losses, minus refinery inputs, minus exports.

**Propane ( $C_3H_8$ ).** A normally gaseous straight-chain hydrocarbon. It is a colorless paraffinic gas that boils at a temperature of - 43.67 degrees Fahrenheit. It is extracted from natural gas or refinery gas streams. It includes all products designated in ASTM Specification D1835 and Gas Processors Association Specifications for commercial propane and HD-5 propane.

**Propylene ( $C_3H_6$ ).** An olefinic hydrocarbon recovered from refinery processes or petrochemical processes.

**Propylene ( $C_3H_6$ ) (nonfuel use).** Propylene that is intended for use in nonfuel applications such as petrochemical manufacturing. Nonfuel use propylene includes chemical-grade propylene, polymer-grade propylene, and trace amounts of propane. Nonfuel use propylene also includes the propylene component of propane/propylene mixes where the propylene will be separated from the mix in a propane/propylene splitting process. Excluded is the propylene component of propane/propylene mixes where the propylene component of the mix is intended for sale into the fuel market.

**Refinery.** An installation that manufactures finished petroleum products from crude oil, unfinished oils, natural gas liquids, other hydrocarbons, and oxygenates.

**Refinery-Grade Butane.** See *Butane*.

**Refinery Input, Crude Oil.** Total crude oil (domestic plus foreign) input to crude oil distillation units and other refinery processing units (cokers, etc.).

**Refinery Input, Total.** The raw materials and intermediate materials processed at refineries to produce finished petroleum products. They include crude oil, products of natural gas processing plants, unfinished oils, other hydrocarbons and oxygenates, motor gasoline and aviation gasoline blending components and finished petroleum products.

**Refinery Production.** Petroleum products produced at a refinery or blending plant. Published production of these products equals refinery production minus refinery input. Negative production will occur when the amount of a product produced during the month is less than the amount of that same product that is reprocessed (input) or reclassified to become another product during the same month. Refinery production of unfinished oils, and motor and aviation gasoline blending components appear on a net basis under refinery input.

**Refinery Yield.** Represents the percent of finished product produced from input of crude oil, hydrogen, and other hydrocarbons, and net input of unfinished oils. Except for finished motor gasoline, finished aviation gasoline, and distillate fuel oil, EIA calculates refinery yield equal to net production of a finished petroleum product divided by the sum of input of crude oil, hydrogen, other hydrocarbons, and net input of unfinished oils. In the case of finished motor gasoline, subtract input of natural gas liquids, fuel ethanol, oxygenates, and net input of motor gasoline blending components from net production of finished motor gasoline and then divide by the sum of input of crude oil, hydrogen, other hydrocarbons, and net input of unfinished oils. In the case of finished aviation gasoline, subtract net input of aviation gasoline blending components from net production of finished aviation gasoline and then divide by the sum of input of crude oil, hydrogen, other hydrocarbons, and net input of unfinished oils. In the case of distillate fuel oil, subtract input of renewable fuels except fuel ethanol (including input of biodiesel, renewable diesel fuel, and other renewable fuels) from distillate fuel oil net production and then divide by the sum of input of crude oil, hydrogen, other hydrocarbons, and net input of unfinished oils. Prior to data for January 2009, EIA calculated refinery yields (except for finished motor gasoline) equal to finished product net production divided by the sum of input of crude oil and net input of unfinished oils. EIA calculated refinery yield of finished motor gasoline equal to net production of finished motor gasoline minus the sum of input of natural gas liquids, other hydrocarbons and oxygenates, and net input of motor gasoline blending components divided by the sum of input of crude oil and net input of unfinished oils.

**Reformulated Blendstock for Oxygenate Blending (RBOB).** See *Motor Gasoline Blending Components*.

**Reformulated Gasoline.** See *Motor Gasoline (Finished)*.

**Renewable Fuels (Other).** Fuels and fuel blending components, except biomass-based diesel fuel, renewable diesel fuel, and fuel ethanol, produced from renewable biomass.

**Residual Fuel Oil.** A general classification for the heavier oils, known as No. 5 and No. 6 fuel oils, that remain after the distillate fuel oils and lighter hydrocarbons are distilled away in refinery operations.



It conforms to ASTM Specifications D 396 and D 975 and Federal Specification VV-F-815C. No. 5, a residual fuel oil of medium viscosity, is also known as Navy Special and is defined in Military Specification MIL-F-859E, including Amendment 2 (NATO Symbol F-770). It is used in steam-powered vessels in government service and inshore power plants. No. 6 fuel oil includes Bunker C fuel oil and is used for the production of electric power, space heating, vessel bunkering, and various industrial purposes.

**Residuum.** Residue from crude oil after distilling off all but the heaviest components, with a boiling range greater than 1000 degrees Fahrenheit.

**Road Oil.** Any heavy petroleum oil, including residual asphaltic oil used as a dust palliative and surface treatment on roads and highways. It is generally produced in six grades from 0, the most liquid, to 5, the most viscous.

**Shell Storage Capacity.** The design capacity of a petroleum storage tank which is always greater than or equal to working storage capacity. Special Naphthas. All finished products within the naphtha boiling range that are used as paint thinners, cleaners, or solvents. These products are refined to a specified flash point. Special naphthas include all commercial hexane and cleaning solvents conforming to ASTM Specification D1836 and D484, respectively. Naphthas to be blended or marketed as motor gasoline or aviation gasoline, or that are to be used as petrochemical and synthetic natural gas (SNG) feedstocks are excluded.

**Steam (Purchased).** Steam, purchased for use by a refinery, that was not generated from within the refinery complex.

**Still Gas (Refinery Gas).** Any form or mixture of gases produced in refineries by distillation, cracking, reforming, and other processes. The principal constituents are methane, ethane, ethylene, normal butane, butylene, propane, propylene, etc. Still gas is used as a refinery fuel and a petrochemical feedstock. The conversion factor is 6 million BTU's per fuel oil equivalent barrel.

**Stock Change.** The difference between stocks at the beginning of the reporting period and stocks at the end of the reporting period. Note: A negative number indicates a decrease (i.e., a drawdown) in stocks and a positive number indicates an increase (i.e., a buildup) in stocks during the reporting period.

**Strategic Petroleum Reserve (SPR).** Petroleum stocks maintained by the Federal Government for use during periods of major supply interruption.

**Sulfur.** A yellowish nonmetallic element, sometimes known as "brimstone." It is present at various levels of concentration in many fossil fuels whose combustion releases sulfur compounds that are considered harmful to the environment. Some of the most commonly used fossil fuels are categorized according to their sulfur content, with lower sulfur fuels usually selling at a higher price. Note: No. 2 Distillate fuel is currently reported as having either a 0.05 percent or lower sulfur level for on-highway vehicle use or a greater than 0.05 percent sulfur level for off-highway use, home heating oil, and commercial and industrial uses. Residual fuel, regardless of use, is classified as having either no more than 1 percent sulfur or greater than 1 percent sulfur. Coal is also classified as being low-sulfur at concentrations of 1 percent or less or high-sulfur at concentrations

greater than 1 percent.

**Supply.** The components of petroleum supply are field production, refinery production, imports, and net receipts when calculated on a PAD District basis.

**TAME (Tertiary amyl methyl ether)  $(CH_3)_2(C_2H_5)COCH_3$ .** An oxygenate blend stock formed by the catalytic etherification of isoamylene with methanol.

**Tank Farm.** An installation used by gathering and trunk pipeline companies, crude oil producers, and terminal operators (except refineries) to store crude oil.

**Tanker and Barge.** Vessels that transport crude oil or petroleum products. Data are reported for movements between PAD Districts; from a PAD District to the Panama Canal; or from the Panama Canal to a PAD District.

**TBA (Tertiary butyl alcohol)  $(CH_3)_3COH$ .** An alcohol primarily used as a chemical feedstock, a solvent or feedstock for isobutylene production for MTBE; produced as a co-product of propylene oxide production or by direct hydration of isobutylene.

**Thermal Cracking.** A refining process in which heat and pressure are used to break down, rearrange, or combine hydrocarbon molecules. Thermal cracking includes gas oil, visbreaking, fluid coking, delayed coking, and other thermal cracking processes (e.g., flexicoking). See individual categories for definition.

**Toluene  $(C_6H_5CH_3)$ .** Colorless liquid of the aromatic group of petroleum hydrocarbons, made by the catalytic reforming of petroleum naphthas containing methyl cyclohexane. A high-octane gasoline-blending agent, solvent, and chemical intermediate, base for TNT.

**Ultra-Low Sulfur Distillate Fuel Oil.** Distillate fuel oil having sulfur content of 15 ppm or lower. Ultra-low sulfur distillate fuel oil that will be shipped by pipeline must satisfy the sulfur specification of the shipping pipeline if the pipeline specification is below 15 ppm. Distillate fuel oil intended for pipeline shipment that fails to meet a pipeline sulfur specification that is below 15 ppm will be classified as low-sulfur distillate fuel oil.

**Unaccounted for Crude Oil.** Represents the arithmetic difference between the calculated supply and the calculated disposition of crude oil. The calculated supply is the sum of crude oil production plus imports minus changes in crude oil stocks. The calculated disposition of crude oil is the sum of crude oil input to refineries, crude oil exports, crude oil burned as fuel, and crude oil losses.

**Unfinished Oils.** All oils requiring further processing, except those requiring only mechanical blending. Unfinished oils are produced by partial refining of crude oil and include naphthas and lighter oils, kerosene and light gas oils, heavy gas oils, and residuum.

**Unfractionated Streams.** Mixtures of unsegregated natural gas liquid components excluding those in plant condensate. This product is extracted from natural gas.

**United States.** The United States is defined as the 50 States and the



District of Columbia.

**Vacuum Distillation.** Distillation under reduced pressure (less the atmospheric) which lowers the boiling temperature of the liquid being distilled. This technique with its relatively low temperatures prevents cracking or decomposition of the charge stock.

**Visbreaking.** A thermal cracking process in which heavy atmospheric or vacuum-still bottoms are cracked at moderate temperatures to increase production of distillate products and reduce viscosity of the distillation residues.

**Wax.** A solid or semi-solid material at 77 degrees Fahrenheit consisting of a mixture of hydrocarbons obtained or derived from petroleum fractions, or through a Fischer-Tropsch type process, in which the straight-chained paraffin series predominates. This includes

all marketable wax, whether crude or refined, with a congealing point (ASTM D 938) between 80 (or 85) and 240 degrees Fahrenheit and a maximum oil content (ASTM D 3235) of 50 weight percent.

**Working Storage Capacity.** The difference in volume between the maximum safe fill capacity and the quantity below which pump suction is ineffective (bottoms).

**Xylene ( $C_6H_4(CH_3)_2$ ).** Colorless liquid of the aromatic group of hydrocarbons made the catalytic reforming of certain naphthenic petroleum fractions. Used as high-octane motor and aviation gasoline blending agents, solvents, chemical intermediates. Isomers are metaxylene, orthoxylene, paraxylene.